

Newark Fire Department

1978

NINETY-THIRD

ANNUAL REPORT



KENNETH A. GIBSON, Mayor

MUNICIPAL COUNCIL

EARL HARRIS, President

MICHAEL P. BOTTONE, West Ward
ANTHONY CARRINO, North Ward
RALPH T. GRANT, JR., At Large
SHARPE JAMES, South Ward

BENJAMIN F. JOHNSON, III, Central Ward
HENRY MARTINEZ, East Ward
DONALD TUCKER, At Large
MARIE L. VILLANI, At Large



MILTON A. BUCK, Business Administrator

JOHN P. CAUFIELD, Fire Director

NEWARK, NEW JERSEY



Kenneth A. Gibson
Mayor

Fire Department

920 Broad Street
Newark, New Jersey 07102
201 733-7424

John P. Caulfield
Director

FIRE DEPARTMENT ANNUAL REPORT 1978

TABLE OF CONTENTS

Director's Annual Report	Page I
Fire Chief's Report	1 - 2
Financial Statement	3
Executive and Superior Officers	4
Sub-divisions of the Fire Department	5
Table of Organization	6
Vital Statistics	7 - 8
Company Statistics	9 - 10
Fire Prevention Division	
Chief's Report	11 - 12
Chief Inspector's Report	13
Bureau of Combustibles	14 - 53
Arson Squad (Bureau of Investigation)	
Chief's Report	54 - 56
Deaths by Fire	57 - 58
Miscellaneous Statistics	59 - 60
Fire Signal System Operations	
Chief of Communications	61 - 63
Chief of Construction/Maintenance	64
Planning and Research	65 - 67
Special Service and Supply	
Chief's Report	68-69-70
Performance	71
Apparatus - Inventory & Maintenance	72 - 73
Hose	74 - 75
Training Division	
Chief's Report	76 - 77
Performance	78
Accident Review	79
Safety Officer	80
Water Officer	81
Community Relations	82 - 84
Data Processing	85
Photography Division	86
Medical	87
Chaplains	
Catholic	88
Protestant	89
Jewish	90
Public Relations	91
Bell & Siren	92

Kenneth A. Gibson
Mayor

Fire Department

920 Broad Street
Newark, New Jersey 07102
201 733-7424

John P. Caufield
Director

March 1, 1979

The Honorable Kenneth A. Gibson
Mayor, City of Newark
City Hall
Newark, New Jersey

RE: Annual Report 1978

Dear Sir:

I herewith respectfully submit the Annual Report of the activities of the Fire Department for the year 1978.

Fire remains a very serious problem in our City, and in 1978 46 people lost their lives in fires. Most of this tragic loss could have been prevented if the public apathy towards fire could be overcome and people had sufficient warning when fire struck.

With these two worthy objectives in mind, two of the most positive and progressive measures in the history of the Newark Fire Department were developed:

One, a "Fire Education Guide Lines" which was under way for more than two years, was finalized and approved by the Fire Department and the Board of Education. It is expected that this program will soon be in operation throughout the schools in Newark. This progressive and important step, which will teach the elements of Fire Prevention in the home, should have a great influence in the reduction of fires.

The other, a Smoke Detector Ordinance, mandating by May 1, of 1979, at least one smoke detector in each dwelling unit, was unanimously enacted into law by the City Council and signed by the Mayor. This early warning in case of fire has the potential for dramatically reducing the loss of life from fire.

The aforementioned Fire Prevention and Life Saving measures will be remembered as two of the most positive, progressive and significant steps ever taken to protect the lives of our citizens.

RECOMMENDATIONS

- * Strong enforcement and follow-up of the Fire Education Guide Lines and Smoke Detector Ordinance.
- * An on-going program of cleaning and re-lining water mains.
- * Resumption of the temporarily suspended apparatus replacement program.

Kenneth A. Gibson
Mayor

Fire Department

920 Broad Street
Newark, New Jersey 07102
201 733-7424

John P. Caufield
Director

The Honorable Kenneth A. Gibson Page 2 March 1, 1979
Annual Report 1978, Continued.

* Resumption of the temporarily suspended fire station rehabilitation program.

* Acquisition of the services of a fire protection engineer to provide technical assistance to the Fire Prevention Division, especially in the area of enforcement of the Fire Protection Sub-Code.

* Continuation of the activities of the Citizens' Advisory Committee, whose members act as liaison between the citizens of the city and the members of the Fire Department.

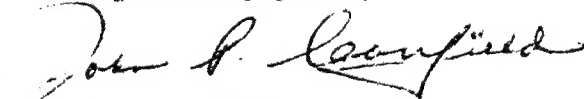
* * * * *

I heartily commend Fire Chief James P. O'Beirne, all officers and men under his command and members of the Administrative Staff for their efficient and dedicated service and attention to duty during the year.

To the Chaplains and Department Surgeons, we owe a debt of gratitude for their outstanding efforts in administering to the needs of the men.

On behalf of the members of the Fire Department, I extend to you, Mr. Mayor, to the members of the Municipal Council, and to the Business Administrator, our sincere appreciation for your interest and cooperation in helping us solve some of our problems.

Respectfully yours,



JOHN P. CAUFIELD,
Director, Fire Department

JPC:EC

N E W A R K

Kenneth A. Gibson
Mayor

Fire Department

920 Broad Street
Newark, New Jersey 07102
201 733-7424

John P. Caufield
Director

February 28, 1979

Hon. John P. Caufield, Director
Newark Fire Department
Newark, New Jersey

Dear Sir:

The United States has by far the worst fire record of any of the world's industrialized nations. It is exceptionally high in the number of deaths, injuries and property loss from the three million fires which plague our Country each year. In addition to the damage to the general population, firefighters face even greater danger themselves in the most hazardous occupation in the United States.

Sadly enough, residential fires, most of which could have been easily prevented, account for the majority of fatalities and the groups most susceptible to the threat of fires are children, the elderly, and the poor. The areas which are heavily populated by low income residents exhibit a higher incidence of fire than other neighborhoods.

Arson is fast becoming the leading cause of fire across the Country and has been estimated as high as 50% in urban centers such as Newark.

The most striking aspect of the fire problem is public indifference. Citizens rely on the Fire Department to suppress fire without accepting the responsibility for causing it--until it is too late. The City of Newark reflects the rest of the Nation in its patterns of total fires, property loss, false alarms, incendiary fires, and fire related deaths and injuries. Although the City provides adequate fire protection, the citizens must accept to a greater degree than heretofore the responsibility for fire prevention.

Positive measures which may assist in reducing the fire problems in Newark are:

1. The Smoke Detector Ordinance now in effect, requiring detectors in all dwellings.
2. The proposed school fire prevention education program which will be mandatory at all grade levels. This should produce a new generation of Americans more knowledgeable about living safely with it.
3. The implementation of a "bounty system" with \$50,000.00 to be provided for offering rewards to informants giving leads which cause the arrest and conviction of arsonists.

N E W A R K

Kenneth A. Gibson
Mayor

Fire Department

920 Broad Street
Newark, New Jersey 07102
201 733-7424

John P. Caufield
Director

Hon. John P. Caufield, Director

February 28, 1979
Page Two

4. Recognition by the F.B.I. of Arson as a Type I crime (a felony offense).

5. Strict enforcement of the New Jersey State Construction and Fire Prevention Codes.

In the United States today, there is a prevailing movement to reduce the cost of government services. Sizeable future reductions in personnel would impact on the ability to provide adequate fire protection. Innovative measures would have to be studied and evaluated to increase members' productivity and to ease the fire workload. Some possibilities are:

1. The development of a low cost sprinkler system for residential properties. This could be the most important factor in saving life that could be provided. In the past one-hundred years only twelve people have died in sprinklered buildings ("Nations Cities Report").

2. A regionalized Fire Department, possibly County-wide.

3. Legislation to change Firefighters entrance age--eighteen to thirty years of age with mandatory retirement at age fifty-five for company members. This would provide a younger, better conditioned manpower, less susceptible to sick and injury leaves with fewer requirements for light duty assignments for older men.

4. Apprenticeship and Training Standards for the Firefighter.

I wish to extend my thanks to Mayor Kenneth A. Gibson, Members of the Municipal Council, to you, and to all the Officers and Members of the Fire Department whose efforts provided the community with fire protection during the year.

Respectfully submitted,

James P. O'Brien

JAMES P. O'BEIRNE,
Fire Chief

JPO'B:JMR

F I R E D E P A R T M E N T

FINANCIAL STATEMENT

Salaries Appropriation	\$ 18,039,264.00
Other Expenses Appropriation	<u>532,855.00</u>
	\$ 18,572,119.00

EXPENDITURES

SALARIES AND WAGES

Salaries	16,953,065.43
Overtime	203,568.25
Acting Officers	<u>35,855.18</u>
	\$ 17,192,488.86

MISCELLANEOUS RECEIPTS

Redeposited checks	-0-
Miscellaneous	5,925.00
Bureau of Combustibles	68,298.00
Current Accounts	<u>40.50</u>
	\$ 74,263.50

MISCELLANEOUS

May 1, 1978 - Maintenance of Civil Defense Early Warning System by Fire Alarm Constr./Maint.	3,000.00
May 8, 1978 - Response to New Jersey Turnpike for 1977	1,425.00
Nov. 3, 1978 Response to New Jersey Turnpike	<u>1,500.00</u>
	\$ 5,925.00

oOo

FIRE DEPARTMENT - CITY OF NEWARK

Hon. Milton A. Buck
Business Administrator

Hon. Kenneth A. Gibson
Mayor

Hon. John P. Caufield
Fire Director

William T. Whalen, Administrative Officer
Esther Conrad, Administrative Secretary
Kenneth Blaha, Asst. Chief Clerk

James P. O'Beirne, Fire Chief, U.F.D.

DEPUTY CHIEFS

First Deputy Division

Frederick Grehl
Harold B. Davis
David J. Kinnear
Charles JanTausch

Second Deputy Division

Joseph McLaughlin
Thomas Leonard
John Griggs
Andrew J. Donahue

DEPUTY CHIEF COORDINATORS

Joseph L. Magnusson
James F. Gaynor
Angelo R. Ricca
Albert Maresca.

ROVING

Robert J. Miller

James Raymond

BATTALION CHIEFS

First Battalion

Richard P. Hettinger
James W. McCormack
Thomas Melody
Cantalora Palestino

Second Battalion

Erwin Burchardt
Robert King
Vincent Marinucci
Edward R. Dunn

Third Battalion

Louis Formisano
John P. Ryan
Richard Bitter
Anthony Maresca

Fourth Battalion

Charles Plath
Alexander McGrory
William Carragher, Jr.
Anthony De Troia

Fifth Battalion

Joseph T. Miller
Thomas J. Boyle
Vincent A. Brennan
Robert A. White

BATTALION CHIEF COORDINATORS

John J. Tartis
Alfred Freda

ROVING

James Richardson
Edward J. Chrystal
Robert Buccine
Joseph Ricca
Joseph Pierce
Frank Calfitti
Carroll Henderson

SUBDIVISIONS OF THE FIRE DEPARTMENT

Fire Prevention Division

Louis Iannuzzi, Deputy Chief
James Morgan, Deputy Chief
Carl Stoffers, Battalion Chief, Bureau of Investigation (Arson)
Philip Boyle, Chief Inspector, Combustibles Div. (Inspections)

Fire Signal System

Robert Higgins, Chief Communications
Thomas J. McCann, Asst. Chief, Communications
Edward Przybylowicz, Chief, Construction/Maintenance
John DiBlasio, Asst. Chief, Construction/Maintenance

Special Service and Supply

Arthur Schmidt, Deputy Chief
William Schick, Battalion Chief
George Iuzzolino, Act. Supervisor of Apparatus
Paul Duleba, Captain, Hose Division
Michael Remondelli, Captain, Supply Division
Ralph De Paul, Captain, Supply Division
Joseph Abbondante, Captain, Mask Division

Training Center

Edward M. Wall, Deputy Chief, Commanding
Fred Boehringer, Battalion Chief, Safety Officer
Daniel Tauriello, Supervisor of Apparatus

Planning & Research Division

Stanley Kossup, Deputy Chief,
John Valent, Battalion Chief
William Barrett, Captain
Albert Payne, Captain

Community Relations

Robert Marron, Deputy Chief
Sante D'Emidio, Captain
Reginald Evelyn, Captain

Civil Defense

Robert Marron, Deputy Chief
Sante D'Emidio, Captain
Harold Ellermann, Fireman

Medical Division

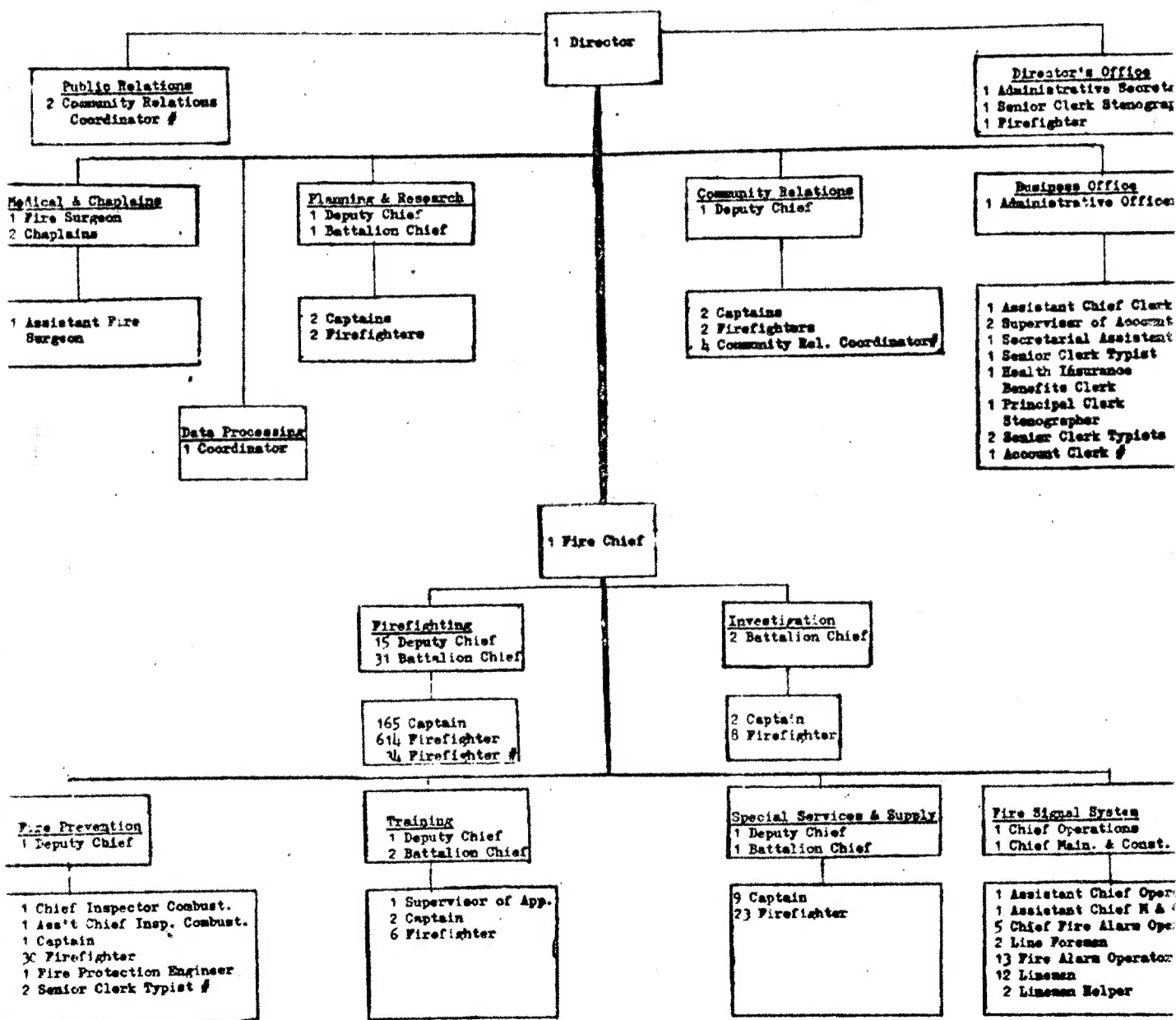
Edwin Ciccone, M.D., Fire Surgeon
Carl Maffeo, M.D., Asst. Fire Surgeon

Chaplains

Rev. Horton Raught, Catholic Chaplain
Rev. Clarence Bleakney, Protestant Chaplain
Rabbi Horace Zemel, Jewish Chaplain

Organization	Code	Department	Code	Division	Code	Fund	Code	Year
MUNICIPAL GOVERNMENT	01	FIRE	09			CITY CURRENT	1001	78 79

TABLE OF ORGANIZATION



FIRE DEPARTMENT

VITAL STATISTICS

APPOINTMENTS AND PROMOTIONS

1/23/78	Kenneth J. Blaha	Asst. Chief Clerk (Prov.)
2/6/78	Gladys Maultsby	Supervisor of Accounts, Fire
3/20/78	John M. Doll	Lineman Helper (T)
6/26/78	James P. O'Beirne	Fire Chief, U.F.D. (Perm.)
7/17/78	Patricia Stoffers	Senior Clerk Typist (Temp.)
7/31/78	Barbara Bennett	Prin. Clerk Steno. (Prov.)
6/19/78	49 Firefighters appointed	
7/10/78	10 Firefighters appointed	
8/21/78	4 Firefighters appointed	
10/2/78	6 Firefighters appointed	

RESIGNATIONS

2/3/78	William T. Whalen, Jr.	Lineman Helper
5/26/78	Raymond Ventolo	Firefighter
6/8/78	William Lamberti	Firefighter
6/12/78	John Doll	Lineman Helper
9/8/78	Patricia Stoffers	Senior Clerk Typist
11/1/78	John Tafilowski	Firefighter

DEATHS

4/3/78	Benedict Strubel	Firefighter
5/13/78	John Fagan	Firefighter
5/17/78	Emmet Gahan	Firefighter
7/17/78	Stanley Stypolkowski	Firefighter
10/14/78	Richard Watson	Firefighter

TERMINATIONS

3/23/78	James Sheppard	Firefighter
---------	----------------	-------------

oOo

F I R E D E P A R T M E N T

Vital Statistics (2)

RETIREMENTS

1/1/78	John Shuhala	Firefighter
2/1/78	John Zieser	Battalion Chief
2/1/78	Daniel Koempel	Firefighter'
2/1/78	Joseph Muzetska	Firefighter
3/1/78	Gilbert McGee	Firefighter
3/1/78	Patrick J. Maguire	Captain
3/1/78	Robert McClorry	Captain
3/1/78	John W. Bender	Captain
4/1/78	James McAlindin	Captain
4/1/78	Joseph Caruso	Firefighter
4/1/78	John Dolak	Deputy Chief
4/1/78	John Sharkey	Captain
5/1/78	Robert Wittick	Captain
5/1/78	Edward Ryan	Captain
5/1/78	Harold McClutchy	Captain
7/1/78	John Sochan	Captain
7/1/78	Edward Mizia	Captain
7/1/78	Edward Finucan	Captain
7/1/78	Joseph Doud	Firefighter
8/1/78	James Nolan	Battalion Chief
8/1/78	Henry Agnew	Firefighter
8/1/78	James McGlynn	Firefighter
10/1/78	Bernard Habig	Firefighter
10/1/78	James Scully	Firefighter
10/1/78	Herbert Foster	Firefighter
10/1/78	William Dorney	Captain
10/1/78	James M. O'Donnell	Battalion Chief
10/1/78	Thomas E. O'Boyle	Deputy Chief
11/1/78	William Juliano	Captain
11/1/78	Frederick Kiesel	Firefighter
12/1/78	Peter Coccuzza	Firefighter
12/1/78	William Sinkez	Firefighter
12/1/78	Philip McCauley	Firefighter
12/1/78	George Farrell	Chief Fire Alarm Operator
12/1/78	Matthew J. Morahan	Captain

oOo

FIRE DEPARTMENT

COMPANY STATISTICS

COMPANY	TOTAL ALARMS ANSWERED	TOTAL ALARMS WORKED	EMERGENCY CALLS	HOURS OF ENGINE DUTY	FT. OF HOSE USED	HYDRANTS INSPECTED	DRILLS & DEMONSTRATIONS	HOURS OUT OF QUARTERS	IN-SERVICE INSPECTIONS
Eng. Co. 1	1,668	603	0	372:00	90,950	413	176	286:00	286
Eng. Co. 4	2,338	951	0	396:21	19,600	110	333	1240:28	327
Eng. Co. 5	1,211	303	8	201:08	56,350	320	365	628:05	160
Eng. Co. 6	3,934	1733	0	523:35	186,100	540	394	1899:10	353
Eng. Co. 7	2,613	767	0	494:00	193,900	285	400	1258:00	305
Eng. Co. 8	902	384	0	205:46	38,750	190	373	784:10	77
Eng. Co. 9	2,710	1023	0	442:10	112,810	725	373	1271:43	314
Eng. Co.10	2,378	1043	47	625:55	18,600	361	348	1359:39	366
Eng. Co.11	2,442	979	0	405:00	142,400	294	370	857:06	341
Eng. Co.12	3,428	1027	0	480:03	134,100	186	370	1527:08	108
Eng. Co.13	1,773	771	3	245:08	41,800	344	326	855:26	360
Eng. Co.14	1,501	432	0	416:58	100,300	994	360	1151:52	281
Eng. Co.15	2,150	678	0	356:30	75,400	455	205	1065:45	296
Eng. Co.16	788	454	2	284:45	41,460	521	385	688:48	184
Eng. Co.17	2,493	651	0	376:00	81,550	296	296	1277:00	338
Eng. Co.18	2,774	917	0	305:00	93,100	395	327	1312:00	280
Eng. Co.19	1,288	651	1	173:55	43,750	447	370	803:12	196
Eng. Co.21	727	167	2	55:20	17,110	229	362	373:28	464
Eng. Co.26	873	337	2	136:24	15,250	466	371	726:40	741
Eng. Co.27	867	304	0	259:00	38,800	399	390	703:00	197
Eng. Co.28	1,134	352	8	159:40	42,050	375	335	686:58	125
Eng. Co.29	1,852	583	4	175:33	44,110	725	367	851:30	501
Eng. Co.32	337	160	0	125:04	14,200	618	314	559:25	219
Rescue Sq.	1,646	1459	647	-	-	-	280	-	-
Fire Boat	69	22	5	8:15	400	-	397	70:55	-
Tactical Sq.	965	551	0	-	95,500	270	301	727:38	231
Total	44,831	17,302	729	7220:10	1738,340	9958	8888	22961:06	7050

COMPANY STATISTICS 1978 (2)

TRUCK COMPANIES	TOTAL ALARMS ANSWERED	TOTAL ALARMS WORKED	EMERGENCY CALLS	FT. OF LADDERS USED	NUMBER OF INSPEC- TIONS MADE	DRILLS AND DEMONSTRATIONS	HOURS OUT OF QUARTERS	NUMBER OF HYDRANTS INSPECTED
Truck Co. 1	1618	641	0	11,589	249	425	1123:30	238
Truck Co. 2	1611	646	0	10,240	390	482	960:42	618
Truck Co. 3	1641	592	0	19,021	266	343	997:59	274
Truck Co. 4	996	271	7	6,565	197	363	614:00	213
Truck Co. 5	3250	1572	3	23,874	202	378	1382:06	204
Truck Co. 6	1323	390	3	4,401	420	280	639:50	461
Truck Co. 7	1618	457	0	14,443	195	55	983:00	300
Truck Co. 8	610	240	1	4,089	224	354	491:00	150
Truck Co. 9	2415	799	0	14,521	255	341	1362:09	274
Truck Co.10	1670	408	0	6,868	334	362	868:00	590
Truck Co.11	1647	623	2	10,663	381	364	803:41	113
Truck Co.12	596	198	8	4,223	299	305	425:27	224
Total	18,995	6837	24	130,497	3412	4052	10,649:64	3659

BATTALION CHIEFS

	ALARMS ANSWERED	ALARMS WORKED	HOURS OF DISTRICT INSPECTION
Batt. Dist.1	2,602	1,055	629:95
Batt. Dist.2	1,784	1,017	890:50
Batt. Dist.3	2,498	1,306	932:75
Batt. Dist.4	4,272	1,255	1,229:45
Batt. Dist.5	1,328	860	667:85
Total	12,484	5,493	4,350:50

DEPUTY CHIEFS

Dep. Div. 1	2,642	1,506	660:00
Dep. Div. 2	1,800	1,340	81:45
Total	4,442	2,846	741:45

FIRE PREVENTION DIVISION

Annual Report submitted by
Deputy Chiefs Louis Iannuzzi and James Morgan
for the year 1978

This report is a narrative of the general activities of the Fire Prevention Division for the year 1978. Statistical data on our specific activities will follow in separate detailed reports following the NFPA 901 Uniform Coding for Fire Protection System adaptable to the needs of reporting agencies. Evaluation of these statistics may help reduce the number of deaths and injuries from fire.

Training of the members of this command continued at a high level. With the adoption of the State Uniform Construction Code it is now mandatory that all officials and inspectors in an enforcing agency have the necessary license pursuant to these regulations. All members of this command in an enforcing capacity have submitted applications to the State Department of Community Affairs, and are awaiting their respective classification. In order for the Code to be enforced adequately and effectively, and the need for the inspector to have sufficient knowledge and competence to administer and interpret the Code, we have embarked on a program of training and education for the development of licensing requirements. With the continued cooperation of the Fire Director, Fire Chief, and the Chief of the Fire Planning Division we will continue with these programs so all inspectors are authorized to carry out field inspection and plan review work in residential and small commercial structures, industrial and large commercial structures, and high-rise and hazardous structures pursuant to regulations.

INSPECTIONS

Inspections by the field companies and our own inspection staff continued at a significantly high level with a correspondingly high workload from violations issued and subsequent follow-up inspections.

SENIOR CITIZENS

We have received and complied with many requests for lectures and films from senior citizen centers and have found this is a very fertile field for the promotion of Fire Safety.

FIRE PREVENTION DIVISION (2)

DAY CARE CENTERS

The rapid increase of Day Care Centers have to be given a high priority. Use of the State Code and the NFPA 101 Life Safety Code have placed these Centers under strict sets of guidelines. Fire safety response through the use of lectures, movies and visits by the neighborhood fire companies were directed to the very young and they were found to be very responsive.

SCHOOLS

The development of a modified alarm system initiated last year on a trial basis to reduce the needless responses for false alarms to the schools resulted in a reduction of 540 less responses this year.

FIRE PREVENTION WEEK

A Public Speaking Campaign involving members of the Department was conducted. All requests for speakers or films were honored. This year with the assistance of the School inspector we are scheduling Fire Prevention talks over the nine month period of the school calendar.

BUSINESS AND CITY AGENCIES

We have continued to work closely with all city and business heads, offering them whatever our offices and manpower can provide.

This command wishes to thank the Director's office, the Fire Chief's office and the other supportive groups in and outside the department for helping us succeed in our tasks during the past year.

FIRE PREVENTION

BUREAU OF COMBUSTIBLES

Annual Report submitted by
Philip Boyle, Chief Inspector
for the year 1978

It is with a deep sense of pride in the accomplishment of meaningful productivity that I herewith submit the Annual Report for the year 1978.

With the adoption of the State B.O.C.A. Building Code, and the B.O.C.A. Basic Fire Prevention Code the development of the City of Newark may now be accomplished in a more meaningful manner, as these codes adequately provide the necessary responsibilities of the Fire Inspector developed in conjunction with the responsibilities of the Building Official in order that their individual duties are more clearly delineated, and they may work as a team in providing reasonable safety in all buildings for the citizens of Newark.

The accompanying report of our activities, necessary for the purpose of ascertaining and causing to be corrected, any conditions liable to cause fire; contribute to the spread of fire; interfere with the fire fighting operations; endanger life or any violations of the provisions or intent of the Fire Prevention Code or any other Ordinance affecting Fire Safety is the most complete and detailed ever submitted.

ANNUAL REPORT
FIRE PREVENTION DIVISION
BUREAU OF COMBUSTIBLES

FIRE INCIDENT RESPONSES -----	19094
BUILDING FIRES -----	2686
Occupied -- 1853	
Vacant ---- 833	
NON-BUILDING FIRES -----	4025
Dumpsters ---- 205	
Auto/Bus ----- 1184	
Truck/Freight- 123	
Brush/Rubbish- 2513	
OUT OF CITY RESPONSES -----	23
Units sent --- 52	
NON-HOSTILE FIRE RESPONSES-	1941
C/Cooking ---- 525	
Furnace blow back- 483	
Inciner/Compactor- 587	
Arcing/Sh-Circuit- 346	
ALL OTHER RESPONSES -----	4259
Includes Rescue, First Aid, Washdown, Accidents, Assist at Fires etc.	
Malicious FALSE ALARMS ----	6160
FIRE RELATED DEATHS -----	46
Firefighter -- 0	
Civilian ----- 46	
MULTIPLE ALARM FIRES -----	107
2nd alarms --- 85	
3rd alarms --- 19	
4th alarms --- 4	
SIGNAL 11 FIRES -----	555
Occupied Building - 361	
Vacant Building --- 188	
Non-Building ----- 6	
MUTUAL AID TO ASSIST NEWARK -----	1
Units sent ----- 11	

Bureau of Combustibles

BUILDING INSPECTIONS -----	39376
(By Bureau inspectors)-----	28900
(In-Service Company inspections--	10476
FIRE CODE VIOLATIONS PROCESSED -----	2342
Rec'd from In-Serv. Co's ---	753
Bureau Inspections -----	1294
Telephone/Letter -----	295
SPECIAL BUREAU DETAILS -----	42
(Public functions)	
FIRE PREVENTION DEMONSTRATIONS -----	178
(Schools-Hosp-Business)	
FIRE PREV. LECTURES -----	188
School children involved --	16020
Other Civic groups -----	340
PLANS EXAMINED AND APPROVED -----	565
(Re: Sprinklers/standpipes/etc)	
PERMITS ISSUED -----	5045
Misc. Comb. Storage/Use -----	4821
Oil/Gas/Equipment -----	217
Theater operators -----	7
PERMIT FEES COLLECTED -----	\$ 67685.00
COURT CASES INITIATED -----	187
(Violations of Fire Code)	
COURT HEARINGS ATTENDED -----	557
Postponements -----	378
Withdrawn -----	8
Dismissed -----	40
Bench warrants -----	30
Guilty -----	101
FINES COLLECTED -----	\$ 10365.00

- 6 -
Bureau of Combustibles

1978 - MULTIPLE ALARMS - 1978

INCIDENT	DATE	TIME	STATION	ADDRESS	SIZE/CLASS	ALARM
00070	Jan. 2	0319	2224	18-20 Columbia St	Vac 4 st br Factory	2nd
00085	2	1628	1123	82 Springfield Ave	Occ 3 st br Store	3rd
00169	4	2121	4648	273 Ridgewood Ave	Occ 3 st fr Dwell	3rd
00445	11	0553	3244	139-45 Oraton St	Occ 2 1/2 st fr Dwell	3rd
00682	17	0606	1173	68 Richmond St	Occ 3 st fr Dwell	3rd
00781	19	0419	3521	756 Broadway	Occ 5 st br St/Dw	2nd
00812	20	0011	4462	769-71 So. 20th St	Occ 3 st fr Dwell	2nd
01032	26	0227	3131	25 6th Ave	Vac 3 st fr Dwell	2nd
01138	28	2050	4438	65 Pierce St	Occ 3 st fr Dwell	2nd
01216	31	0135	4326	367 18th Ave	Occ 3 st fr Dwell	2nd
01289	Feb. 1	2059	4319	394-98 So. 6th St	Vac 3 st fr Dwell	2nd
01341	3	0322	3212	10-34 Kearny St.	Occ 5 st br Apts	2nd
01527	7	2104	4241	721 Hunterdon St	Occ 3 st fr Dwell	2nd
01690	12	0353	4238	233 Jelliff Ave	Occ 3 st br Apts	2nd
01780	14	2359	4439	563 Springfield Ave	Occ 4 st br Apts	3rd
01826	16	0914	4459	283 16th Ave	Occ 3 st fr Dwell	2nd
01960	19	1746	4147	71 Milford Ave	Occ 4 st br Apts	3rd
02181	25	0222	1331	392 Central Ave	Vac 4 st br Apts	2nd
02277	27	2330	5222	121 New York Ave	Occ 1 st br Whse	2nd
02398	Mar. 3	1556	1416	115-9 Roseville Ave	Occ 3 st fr Dwell	2nd
02525	7	0306	4244	195 Ridgewood Ave	Occ 3 st fr Dwell	3rd
02766	12	2139	2328	47 Thomas St	Occ 4 st br Apts	2nd
03055	20	0319	4459	517-19 So. 18th St	Occ 3 st fr Dwell	2nd
03246	23	1716	4218	3-5 16th Ave	Occ 4 st br Tav/Dw	2nd

Bureau of Combustibles

1978 - MULTIPLES - 1978

INCIDENT	DATE	TIME	STATION	ADDRESS	SIZE/CLASS	ALARM
03775	Apr. 2	0322	1133	253 Academy St	Vac 4 st br Apts	2nd
03894	4	1734	3238	29 Summer Pl	Vac 3 st br School	2nd
04106	8	0116	1444	30 Ashland St	Occ 3 st fr Dwell	2nd
04160	9	0102	4454	189 16th Ave	Occ 3 st fr Dwell	2nd
04291	10	2137	2427	11-13 E. Runyon St	Vac 3 st br Factory	3rd
04336	11	1757	1131	79 Wickliffe St	Vac 2 1/2 st fr Dwell	2nd
04482	14	0354	4256	31-33 Ridgewood Ave	Vac 3 st fr Dwell	4th
04496	14	1030	3136	105 Mt. Prospect Ave	Vac 3 st fr Dwell	4th
04508	14	1304	3138	65 High St	Occ 2 st fr Dwell	2nd
04778	18	2303	4467	621 So. 11th St	Vac 3 st fr Dwell	2nd
04836	20	2120	3235	408 Broadway	Occ 2 st fr Dwell	2nd
04952	22	2318	4456	534 15th Ave	Vac 3 st fr Dwell	2nd
05251	28	0617	4255	114 Peshine Ave	Occ 3 st fr Dwell	2nd
05364	30	0029	1417	168 Roseville Ave	Occ 4 st br Hotel	2nd
05398	30	1606	2421	156 Pennsylvania Ave	Occ 3 st fr Dwell	2nd
06282	May 18	1704	3267	18 Wakeman Ave	Occ 3 st fr Dwell	2nd
06407	21	1815	4316	385 Littleton Ave	Occ 3 st fr Dwell	2nd
06445	22	1230	5341	400 Doremus Ave	Occ 2 st br Chem/Fact	2nd
06642	26	0000	1238	296 Orange St	Occ 3 st fr St/Dw	2nd
06697	26	2039	5411	50 Paris St	Vac 2 st br Whse	3rd
06987	Jun. 1	0938	2318	39 Lincoln Pk	Occ 7 st br Apts	2nd
06999	1	1400	2147	9 Commerce St	Occ 2 st br Tav/Rest	2nd
07270	6	0336	3119	42 Spring St	Vac 3 st br Whse	3rd
07347	7	0730	4255	138 Avon Ave	Occ 2 st br Whse	2nd
07424	9	0029	4315	315 So. 6th St	Vac 3 st fr Dwell	2nd
07633	12	0432	5421	19 Malvern St	Occ 1 st br Whse	3rd
07742	13	2257	1412	510 Central Ave	Vac 3 st fr Dwell	2nd

Page 18

- 9 -
Bureau of Combustibles

1978 - MULTIPLES - 1978				ALARM
INCIDENT	DATE	TIME	STATION ADDRESS	SIZE/CLASS
12699	Sep. 3	1728	5426 413 Adams St	Vac 1 st fr Whse 3rd
12737	4	0445	4235 162 Avon Ave	Occ 3 st fr Dwell 2nd
12797	5	1647	1495 270 So. 12th St	Vac 3 st fr Dwell 2nd
13029	10	2157	5524 169 Murray St	Vac 3 st br Fact 2nd
13252	15	1258	1149 265 Orange St	Vac 2½ st fr Dwell 2nd
13871	28	1802	6342 264 Passaic St	Occ 3 st br Fact 2nd
13983	30	1458	3481 64 No. 9th St	Occ 4 st br Apts 2nd
14801	Oct. 17	2042	2427 167-69 Elizabeth Ave	Vac 3 st fr Dwell 3rd
15323	25	2228	2425 202 Sherman Ave	Occ 3 st fr Dwell 2nd
15671	31	2341	5381 103-5 Niagara St	Occ 3 st fr Dwell 2nd
15685	Nov. 1	0921	4232 33-5 Madison Ave	Occ 3 st fr Dwell 2nd
15741	2	0408	3146 18-20 6th Ave	Vac 5 st br Apts 2nd
15913	4	1916	2424 23 Hunter St	Vac 3 st fr Dwell 3rd
16134	8	0102	1254 28 Prospect Pl	Occ 4 st br Apts 2nd
16397	11	2130	3224 101 Broad St	Vac 4 st br Apts 2nd
16594	15	0855	1341 144 Fairmount Ave	Occ 3 st fr Dwell 2nd
16898	21	0330	5234 61 Napoleon St	Occ 3 st fr Dwell 3rd
17136	26	0258	3144 100 Highland Ave	Occ 2½ st fr Dwell 2nd
17338	Dec. 1	0104	4348 344 So. 6th St	Vac 3 st br Dwell 2nd
17501	3	2106	1417 168 Roseville Ave	Occ 4 st br Hotel 3rd
17687	7	0044	4453 569 So. 12th St	Occ 3 st fr Dwell 2nd
18085	14	0120	4451 714 Springfield Ave	Occ 3 st fr St/Dw 2nd
18318	17	1950	2321 79 Lincoln Park	Vac 7 st br Hotel 2nd
18398	19	0142	4363 278 Hawthorne Ave	Occ 3 st fr Dwell 2nd
18889	28	1216	4152 147 Ridgewood Ave	Occ 3 st fr Dwell 2nd
18890	28	1234	1424 65 No. 13th St	Occ 3 st fr Dwell 2nd
18991	30	0448	5411 46 Oliver St	Vac 3 st Br Factory 2nd
Totals 3 - 4th Alarms 19 - 3rd Alarms 85 - 2nd Alarms				

107 MULTIPLE ALARMS

- 10 -
Bureau of Combustibles

PUBLIC SCHOOL REPORT

SENIOR HIGH SCHOOLS	ACTUAL FIRE	FALSE ALARM	ALARM MALF.	OTHER INCIDENT	TOTAL RESPONSES
ARTS -----	0	20	4	0	24
BARRINGER -----	0	3	4	9	16
CENTRAL -----	1	4	2	0	7
EAST SIDE -----	4	15	24	2	45
MAL. X. SHABAZZ -----	1	12	13	2	28
SCHOOL WITHIN/SCHOOL -	1	0	0	0	1
UNIVERSITY -----	3	6	6	0	15
VAILSBURG -----	0	1	1	0	2
WEEQUAHIC -----	2	4	5	5	16
WEST SIDE -----	8	1	17	4	30

JUNIOR HIGH SCHOOLS

BROADWAY -----	0	9	5	2	16
CLINTON PLACE -----	0	6	10	4	20
SEVENTH AVE -----	0	13	0	2	15
WEBSTER -----	1	5	7	6	19
WEST KINNEY -----	2	2	7	6	17

ELEMENTARY SCHOOLS

ABINGTON AVE -----	0	3	5	4	12
ALEXANDER ST -----	0	7	6	1	14
ANN ST -----	0	1	1	0	2
AVON AVE -----	0	0	6	1	7
BELMONT-RUNYON -----	0	0	2	3	5
BERGEN ST -----	0	9	7	2	18
BRAGAW AVE -----	1	5	1	1	8
BRAGAW AVE ANNEX -----	0	1	1	0	2
BROADWAY -----	1	7	6	7	21
BURNET ST -----	5	4	6	6	21

Bureau of Combustibles - 11

	ACTUAL FIRE	FALSE ALARM	ALARM MALF.	OTHER INCIDENT	TOTAL RESPONSES
--	----------------	----------------	----------------	-------------------	--------------------

ELEMENTARY SCHOOLS

CAMDEN MIDDLE -----	1	4	7	2	14
CAMDEN ST -----	1	1	2	1	5
CHANCELLOR AVE -----	0	6	4	2	12
CHANCELLOR ANNEX ----	0	13	1	0	14
CHARLTON ST -----	0	1	0	0	1
CLEVELAND -----	0	6	4	3	13
CLINTON AVE -----	1	3	3	4	11
DAYTON ST -----	1	20	10	10	41
EIGHTEENTH AVE -----	0	4	10	4	18
ELLIOTT ST -----	0	42	18	4	64
FIFTEENTH AVE -----	0	14	7	10	31
FIFTH AVE -----	0	2	2	1	5
FOURTEENTH AVE -----	0	2	4	1	7
FRANKLIN -----	1	3	6	8	18
HARRIET TUBMAN -----	0	2	3	0	5
HAWKINS ST -----	0	2	10	3	15
HAWKINS ST ANNEX ----	0	0	2	1	3
HAWTHORNE AVE -----	3	4	3	5	15
HUDSON ST -----	0	1	1	2	4
LAFAYETTE ST -----	0	1	3	3	7
LAFAYETTE ST ANNEX --	0	1	1	0	2
LINCOLN -----	0	12	4	4	20
LOUISE A SPENCER ----	4	7	6	4	21
MADISON -----	1	18	2	1	22
MAPLE AVE -----	0	1	1	0	2
MAPLE AVE ANNEX ----	0	2	0	0	2
MAPLE LYONS ANNEX ---	1	0	8	0	9
MARCUS GARVEY -----	0	7	3	4	14
MARTIN LUTHER KING --	1	5	8	10	24
McKINLEY -----	0	23	9	11	43
MILLER ST -----	1	4	6	3	14
MORTON ST -----	0	4	5	2	11
MT. VERNON -----	0	2	9	1	12
NEWTON ST -----	0	7	6	5	18
OLIVER ST -----	1	2	1	2	6
PESHINE AVE -----	0	6	4	2	12
QUITMAN ST -----	0	4	1	0	5
QUITMAN ST ANNEX ----	0	2	0	0	2
RIDGE ST -----	0	2	0	0	2
ROBERTO CLEMENTE ----	0	6	3	0	9
ROSA L. PARKS -----	1	4	0	0	5
ROSEVILLE AVE -----	0	1	1	0	2

Bureau of Combustibles

	ACTUAL FIRE	FALSE ALARM	ALARM MALF.	OTHER INCIDENT	TOTAL RESPONSES
ELEMENTARY SCHOOLS					
SOUTH ST -----	0	2	4	1	7
SO. SEVENTEENTH ST ----	0	9	5	6	20
SPEEDWAY AVE -----	0	1	1	1	3
SPRINGFIELD AVE COMM.-	0	1	0	1	2
SUSSEX AVE -----	1	5	5	1	12
SUSSEX AVE ANNEX -----	0	0	0	1	1
THIRTEENTH AVE -----	2	14	14	6	36
WARREN ST -----	0	4	3	1	8
WILLIAM H. HORTON -----	1	3	4	4	12
WILSON AVE -----	0	4	2	1	7

SPECIAL SCHOOLS

ALYEA ST -----	0	5	0	1	6
ARLINGTON AVE -----	0	1	0	0	1
BRANCHBROOK -----	0	1	2	2	5
BRUCE ST -----	0	0	2	0	2
CHESTNUT -----	0	0	3	0	3
JOHN F. KENNEDY -----	0	4	5	0	9
MONTGOMERY ST -----	0	23	0	3	26
WOODLAND -----	1	0	0	0	1

TOTALS	ACTUAL FIRE	FALSE ALARM	ALARM MALF.	OTHER INCIDENT	TOTAL RESPONSES
1978 -----	50	454	356	207	1067
1977 -----	87	818	481	221	1607
1976 -----	81	882	457	202	1622
1975 -----	98	972	483	198	1751
1974 -----	76	879	443	158	1556
1973 -----	64	563	448	195	1270
1972 -----	71	763	504	187	1535
1971 -----	73	804	565	140	1582
1970 -----	60	698	451	93	1302
1969 -----	38	488	504	95	1125

Bureau of Combustibles

HI-RISE BUILDING REPORT

N.H.A.	ACTUAL FIRE	INCINERATOR COMPACTOR	FALSE ALARM	OTHER	TOTAL RESPONSE
BAXTER APTS -----	4	4	0	3	11
BAXTER ELDERLY -----	0	0	0	0	0
BRADLEY COURT -----	3	0	0	6	9
COLUMBUS HOMES -----	38	22	8	53	121
FELIX FULD -----	5	1	2	3	11
HAYES HOMES -----	89	335	17	51	492
HAYES ELDERLY -----	0	0	0	0	0
HYATT COURT -----	3	1	1	3	8
KRETCHMER HOMES -----	25	77	7	40	149
KRETCHMER ELDERLY -----	1	0	0	1	2
PENNINGTON COURT -----	2	4	26	3	35
ROOSEVELT HOMES -----	10	0	0	12	22
SCUDDER HOMES -----	42	47	4	29	122
SCUDDER ELDERLY -----	0	1	1	1	3
SETH BOYDEN COURT -----	5	6	1	7	19
SETH BOYDEN ELDERLY --	0	0	0	0	0
STEPHEN CRANE -----	0	1	3	7	11
STEPHEN CRANE ELDERLY-	0	0	0	1	1
STELLA WRIGHT HOMES --	30	83	16	40	169
STELLA WRIGHT ELDERLY-	0	0	0	0	0
WALSH HOMES -----	22	120	26	41	209
WALSH ELDERLY -----	0	1	0	0	1
TOTALS	279	703	113	300	1395
OTHER THAN N.H.A. ----	39	88	12	92	231

Bureau of Combustibles

<u>MULTIPLE ALARMS</u>																	
	<u>1963-1964-1965-1966-1967-1968-1969-1970-1971-1972-1973-1974-1975-1976-1977-1978</u>																<u>TOTAL</u>
<u>MONTH</u>	2	3	3	4	5	8	7	6	5	13	5	5	4	7	7	10	94
JAN	2	3	3	4	5	8	7	6	5	13	5	5	4	7	7	10	94
FEB	4	3	1	8	4	6	4	6	3	4	5	5	0	6	6	9	74
MAR	2	4	4	4	1	5	8	7	8	7	7	4	6	4	4	5	80
APR	10	3	5	7	2	27	5	14	12	16	6	5	12	4	4	15	147
MAY	4	3	3	5	2	4	6	6	6	8	9	6	11	4	14	5	96
JUN	1	4	0	6	3	0	1	6	14	4	9	6	4	8	4	14	84
JUL	6	1	1	7	1	10	2	5	15	9	7	5	5	2	15	12	103
AUG	2	4	0	3	6	2	2	5	10	8	8	9	3	3	7	10	82
SEP	3	1	4	2	3	2	4	5	3	3	9	10	3	3	2	7	64
OCT	3	3	2	2	1	4	6	2	2	2	5	2	3	1	9	3	50
NOV	0	4	3	1	4	3	6	2	5	4	8	10	0	8	2	8	68
DEC	2	5	10	1	8	8	7	9	2	5	4	7	6	12	9	9	104
TOTAL	39	38	36	50	40	79	58	73	85	83	82	74	57	62	83	107	1046

FIRE DEATH STATISTICS

<u>YEAR</u>	<u>TOTAL</u>	<u>6 and UNDER</u>	<u>Age 7 to 17</u>	<u>Age 18 to 30</u>	<u>Age 31 to 50</u>	<u>Age 51 to 70</u>	<u>Age Over 70</u>
1964	25	2	3	1	9	5	5
1965	38	5	2	9	14	6	2
1966	37	19	2	3	8	2	3
1967	25	10	1	1	6	5	2
1968	28	3	2	5	11	6	1
1969	24	6	0	1	3	10	4
1970	36	9	4	1	6	12	4
1971	40	7	8	5	8	11	1
1972	46	11	7	7	12	4	5
1973	38	12	6	5	4	10	1
1974	21	7	3	1	3	5	2
1975	33	13	5	3	3	9	0
1976	16	3	1	3	2	3	4
1977	28	5	2	5	7	6	2
1978	46	11	8	5	13	6	3
							Unknown 1

FIRE DEATH STATISTICS

<u>MONTH</u>	<u>1963-1964</u>		<u>1965-1966</u>		<u>1966-1967</u>		<u>1968-1969</u>		<u>1970-1971</u>		<u>1972-1973</u>		<u>1974-1975</u>		<u>1976-1977</u>		<u>1977-1978</u>		<u>TOTAL</u>
JAN	0	2	2	3	1	1	4	3	1	6	3	0	1	1	2	4	4	34	
FEB	8	3	0	2	5	3	1	2	7	4	12	4	1	0	4	5	5	61	
MAR	1	4	0	1	1	1	4	1	3	10	1	3	0	6	1	3	3	40	
APR	2	1	2	7	1	7	3	8	3	4	5	1	9	0	2	4	4	59	
MAY	0	3	6	3	2	1	2	6	2	4	2	3	7	2	0	0	0	43	
JUN	0	0	2	5	2	1	0	1	7	0	5	0	8	0	0	0	0	31	
JUL	3	0	0	1	0	3	0	8	6	1	2	0	1	1	3	1	1	30	
AUG	6	1	1	1	1	3	1	1	3	0	0	3	1	0	0	5	5	27	
SEP	1	0	2	5	3	2	1	0	0	7	2	0	1	1	0	5	5	30	
OCT	4	1	4	2	0	2	1	2	2	4	1	1	2	0	1	1	1	28	
NOV	0	3	1	5	5	5	3	3	1	6	2	0	1	1	1	4	4	41	
DEC	3	7	16	1	4	0	4	1	5	0	3	6	1	4	14	14	14	83	
TOTAL	28	25	36	36	25	29	24	36	40	46	38	21	33	16	28	46	46	507	

- 17 -
Bureau of Combustibles

FIRES-INSPECTIONS-VIOLATIONS

1. PUBLIC ASSEMBLY PROPERTY

11. FIXED USE AMUSEMENT PLACES

111. Bowling -----	0	4	0
112. Billiard, pool hall ---	1	3	0
113. Bingo, dance hall -----	0	180	6
114. Ice rink -----	0	1	0
115. Roller rink -----	0	0	0
119. Amusement not classed -	0	6	0

12. VARIABLE USE AMUSEMENT PLACES

121. Ballroom, gymnasium ---	3	84	2
122. Exhibition hall -----	0	6	0
123. Arena, grandstand -----	0	6	0
124. Playground -----	6	2	0

13. CHURCHES, FUNERAL PARLORS

131. Church, chapel -----	6	23	1
132. Religious education ---	0	60	0
133. Church hall-meetings --	4	66	4
134. Funeral parlor, morgue-	0	4	0

14. CLUBS

141. Boys club, YMCA -----	2	16	4
142. Country club -----	0	0	0
143. Yacht club -----	1	8	1
149. Clubs not classified --	0	6	1

15. LIBRARIES, MUSEUMS, COURTS

151. Library -----	0	4	0
152. Museum, art gallery ---	0	4	0
153. Historical building ---	0	2	0
154. Memorial building -----	0	0	0
155. Court room -----	0	16	0
156. Legislative hall -----	0	0	0

16. EATING, DRINKING PLACES

161. Restaurant, diner -----	10	196	12
162. Nightclub -----	0	10	2
163. Tavern -----	4	1216	24
164. Lunchroom, drive-in ---	0	44	12

Bureau of Combustibles

FIRES-INSPECTIONS-VIOLATIONS

17. PASSENGER TERMINALS

171. Airport pass. term. ---	2	10	0
172. Heliport, helistop ----	0	0	0
173. Bus passenger term. ---	0	16	0
174. St. level rail term. --	2	4	0
175. Undergrd. rail term. --	0	0	0
176. Elevated rail term. ---	0	0	0
177. Marine pass. term. ----	0	0	0

18. THEATERS, STUDIOS

181. Legitimate theater ----	0	0	0
182. Auditorium-concert hall	0	10	1
183. Motion pix theater ----	3	160	14
184. Drive-in theater -----	0	12	0
185. Radio, TV studio -----	0	4	0
186. Motion pix studio -----	0	0	0

2. EDUCATIONAL PROPERTY

21. NON-RESIDENTIAL SCHOOLS

211. Nursery school -----	0	322	2
212. Kindergarten -----	0	169	4
213. Elementary school -----	44	960	10
214. Junior high school ----	0	114	9
215. High school -----	6	364	8

22. RESIDENTIAL SCHOOLS

221. Boarding school -----	0	0	0
----------------------------	---	---	---

23. TRADE, BUSINESS SCHOOLS

231. Vocational trade sch.--	2	122	2
232. Business school -----	3	264	2
233. Specialty school -----	2	80	0
234. Rehabilitation center -	0	26	2

24. COLLEGES, UNIVERSITY

241. College-University ----	2	120	2
------------------------------	---	-----	---

- 19 -
Bureau of Combustibles

FIRES-INSPECTIONS-VIOLATIONS

3. INSTITUTIONAL PROPERTY

31. CARE OF THE AGED

311. Care/aged w/nursing-----	0	72	2
312. Care/aged w-o/nursing --	0	22	1

32. CARE OF THE YOUNG

321. Day child-care center --	0	422	11
322. Orphanage -----	0	12	0
323. Foster home -----	0	6	2

33. CARE OF THE SICK, INJURED

331. Hospital -----	16	240	6
332. Sanitarium -----	0	0	0
334. Clinic -----	0	44	2

34. CARE OF THE PHYSICALLY RESTRAINED

341. Prison cell, men -----	0	12	0
342. Prison cell, women -----	0	12	0
343. Juvenile detention home-	2	24	0
345. Police station -----	0	6	0

35. CARE OF THE PHYSICALLY INCONVENIENCED

351. Care of deaf-mute-blind-	0	12	0
352. Physical rehabilitation-	0	12	0

36. CARE OF MENTALLY HANDICAPPED

361. Mental institution -----	0	12	0
362. Mentally retarded -----	0	12	0

30. INSTITUTIONAL PROPERTY, UNCLASSIFIED

309. Institutional unclassified-	0	64	0
----------------------------------	---	----	---

- 20 -
Bureau of Combustibles

RESIDENTIAL PROPERTY

FIRES-INSPECTIONS-VIOLATIONS

41. ONE AND TWO FAMILY DWELLINGS			
411. One family dwelling ---	201	463	6
414. Two family dwelling ---	240	507	10
42. APARTMENTS, TENEMENTS, FLATS			
421. 1 or 2 units w/business	460	1998	97
422. 3 through 6 units -----	609	1700	53
423. 7 through 20 units -----	372	1417	86
424. Over 20 units -----	318	1402	44
43. ROOMING, BOARDING, LODGING HOUSES			
431. 3 to 8 roomers -----	53	1746	212
432. 9 to 15 roomers -----	22	1343	103
44. HOTELS, MOTELS, INNS			
441. Less than 20 units ----	0	13	0
443. 20 to 99 units -----	9	1402	14
445. 100 or more units -----	0	63	0
46. DORMITORIES			
461. School, college dorm.--	0	4	0
462. Fraternity, sorority --	0	4	0
463. Nurses quarters -----	0	4	0
465. Convent, monastery ----	0	0	0
466. Workers bunk house ----	0	0	0
48. HOME HOTELS			
481. Less than 20 units ----	0	0	0
483. 20 to 99 units -----	0	0	0
485. 100 or more units -----	0	0	0
49. OTHER RESIDENTIAL OCCUPANCIES			
491. Childrens playhouse ---	0	0	0
492. Outdoor tents -----	0	6	0

- 21 -
Bureau of Combustibles

FIRES-INSPECTIONS-VIOLATIONS

5. STORE, OFFICE PROPERTY

51. FOOD AND BEVERAGE SALES

511. Supermarket -----	2	101	4
512. Grocery store -----	3	349	12
513. Specialty food store ----	1	26	1
514. Liquor, beverage store --	2	2412	112
515. Creamery, dairy store ---	0	24	1
516. Delicatessen -----	2	119	3

52. TEXTILE, WEARING APPAREL SALES

521. Clothing store -----	1	116	3
522. Clothing acces-shoe store	1	82	2
523. Shoe repair shop -----	1	26	1
524. Tailor, dressmaking shop-	1	24	0
525. Fur store -----	0	18	0
526. Dry goods store -----	0	104	4

53. HOUSEHOLD GOODS, SALES, REPAIRS

531. Furniture store -----	1	338	16
532. Appliance store -----	1	302	10
533. Hardware store -----	1	164	8
534. Music store -----	1	24	0
535. Wallpaper, paint store --	1	116	4
536. Rug, floor covering store	1	114	1
537. Furniture repair shop ---	1	18	1
538. Appliance repair shop ---	1	18	1

54. SPECIALTY SHOPS

541. Book, stationery store --	1	104	2
542. Newsstand, tobacco shop -	1	26	0
543. Drug store -----	1	94	1
544. Jewelry store -----	1	26	0
545. Gift shop -----	0	24	0
546. Leather goods shop -----	1	24	0
547. Florist, greenhouse -----	1	24	0
548. Optical goods sales -----	0	14	0

FIRES-INSPECTIONS-VIOLATIONS

55. RECREATION, HOBBY, HOME REPAIR SALES

551. Hobby, toy shop -----	0	26	1
552. Sporting goods sales ----	1	84	1
553. Photo supply sales -----	0	28	0
554. Garden supply store -----	1	24	0
555. Retail lumber sales -----	1	94	3
556. Pet store/hospital -----	0	12	0
557. Barber, beauty shop -----	1	24	0

56. PROFESSIONAL SUPPLIES, SERVICES

561. Professional supp. sales-	1	112	2
562. Trade supply sales -----	1	402	2
563. Art supply sales -----	0	26	1
564. Laundry/cleaners self-ser	2	102	6
565. Linen supply house -----	0	10	0
566. Laundry/cleaner pick-up -	1	84	3
567. Home maintenance services	0	86	1
568. Restaurant supp/services -	1	28	1

57. MOTOR VEHICLE, BOAT SALES, SERVICES

571. Service station, public--	4	1202	36
572. Service station, private-	0	16	1
573. Vehicle repair-paint shop	3	946	18
574. Vehicle, trailer sales --	1	102	1
575. Vehicle accessory sales -	1	202	2
576. Boat, craft sales -----	0	4	0
577. Service station, marine -	0	0	0
578. Car washing facility ----	1	16	0

58. GENERAL ITEM STORES

581. Department store -----	1	48	2
582. Variety store, small ----	1	196	2
583. Variety store, large ----	1	98	1
584. Mail order store -----	0	12	0
585. Mall -----	0	16	0

59. OFFICES

591. General business office -	5	202	4
592. Bank -----	1	28	0
593. Medical research office -	0	10	0
594. Engineering/architectural	0	8	0
595. Mailing office -----	0	6	0
596. Post office -----	0	12	0

- 23 -
Bureau of Combustibles

FIRES-INSPECTIONS-VIOLATIONS

6. BASIC INDUSTRY, UTILITY, DEFENSE

61. NUCLEONICS, ENERGY PRODUCTION

614. Steam-heat energy plant-	0	0	0
615. Elec. generating plant -	0	12	0
616. Gas manufacturing plant-	0	12	0

62. LABORATORIES

621. Chemical-medical lab ---	0	24	0
627. Research general -----	1	24	0

63. COMMUNICATIONS, DOCUMENT FACILITIES

632. Radio, radar site -----	0	0	0
633. Fire-police comm. center	0	6	0
634. Telephone exchange -----	0	12	0
635. Computer-data process --	0	24	0
636. Document-repository ----	0	12	0

64. UTILITIES

642. Elec. distrib. center --	2	24	0
644. Gas distrib-pipeline ---	0	18	0
645. Flam liq. distrib. -----	0	112	4
646. Steam distrib. center --	0	0	0
647. Water supply system ----	0	12	0
648. Sanitary-garbage service	2	48	0

65. AGRICULTURE

657. Fruit, vegetable pack --	0	48	2
-------------------------------	---	----	---

66. FORESTRY, HUNTING, FISHING

662. Log storage pile -----	0	0	0
664. Tree -----	0	0	0

68. NONMETALLIC MINERAL PRODUCTS MANUFACTURE

681. Clay products manufac --	0	0	0
682. Glass manufac -----	0	0	0
683. Glass products manufac -	0	0	0
684. Pottery manufac -----	0	0	0
685. Cement manufac -----	0	0	0
686. Concrete batch plant ---	0	12	0
688. Plaster prod. manufac --	0	24	0

- 24 -
Bureau of Combustibles

7. MANUFACTURING PROPERTY

FIRES-INSPECTIONS-VIOLATIONS

71. FOOD

711. Slaughter, meat -----	0	0	0
712. Dairy products mfg -----	0	22	0
713. Canning, fruits-veg -----	0	24	0
714. Canning, fish-sea food -	0	12	0
715. Grain prod. mfg -----	2	36	0
716. Bakery prod. mfg -----	4	24	0
717. Sugar refining mfg -----	0	0	0
718. Snack foods mfg -----	1	12	0

72. BEVERAGE, TOBACCO, ESSENTIAL OILS

721. Distilling, spirits -----	0	0	0
723. Brewery -----	0	24	0
724. Soft drink -----	1	24	2
725. Tobacco prod. mfg -----	0	0	0
726. Soap making -----	0	12	0

73. TEXTILES

732. Cotton, weaving -----	0	12	0
734. Mixed fiber, weaving ---	0	12	0
735. Textile finishing -----	0	12	0
736. Knitting mills -----	0	0	0
737. Cordage, rope mfg -----	0	0	0
738. Floor covering mfg -----	0	24	0

74. FOOTWEAR, WEARING APPAREL

741. Footwear mfg -----	0	0	0
742. Wearing apparel mfg -----	0	24	0
743. Made-up textile mfg -----	0	36	0
744. Tanneries -----	0	24	2
745. Fur, fur prod. mfg -----	0	12	0
746. Leather prod. mfg -----	12	36	2
747. Rubber prod. mfg -----	2	36	2

75. WOOD, PAPER, FURNITURE, PRINTING

751. Sawmill -----	0	0	0
752. Wooden ware mfg -----	0	12	0
753. Wood, cork prod. mfg ---	2	24	0
754. Furniture mfg -----	0	12	0
755. Paper, paperboard mfg --	10	48	1
756. Paperboard prod. mfg ---	12	64	2
757. Newspaper, magazine ----	1	24	0

Bureau of Combustibles

FIRES-INSPECTIONS-VIOLATIONS

76. CHEMICAL, PLASTIC, PETROLEUM

761. Industrial chem. mfg ---	12	96	10
762. Hazardous chem. mfg ----	16	102	8
763. Plastic mfg -----	0	24	0
764. Plastic prod. mfg -----	4	82	2
765. Paints, adhesive mfg ---	2	104	2
766. Drugs, cosmetics mfg ---	0	12	0
767. Petroleum, gas refin ---	1	24	0
768. Asphalt, coal prod mfg -	1	8	0

77. METAL, METAL PRODUCTS

771. Iron, steel mfg -----	0	0	0
772. Non-ferrous metal mfg --	0	12	0
773. Metal prod. mfg -----	2	36	1
774. Machinery mfg -----	0	12	0
775. Elec. machinery mfg ----	0	0	0
776. Elec. appliance mfg ----	0	24	0

78. VEHICLE ASSEMBLY, MANUFACTURE

781. Ship repairing(over 65')	0	0	0
782. Ship repair (under 65')-	0	0	0
783. Railway equip. mfg -----	0	36	0
784. Motor vehicle mfg -----	0	0	0
785. Bicycle assembly, mfg --	0	0	0
786. Aircraft, rocket assy --	0	0	0
787. Transport equip. mfg ---	0	12	0

79. OTHER MANUFACTURING

791. Instrument mfg -----	0	12	0
792. Photo, optical mfg -----	0	12	0
793. Watch, clock mfg -----	0	12	0
794. Jewelry mfg -----	0	36	6
795. Musical instr. mfg -----	0	0	0
796. Dry cleaning plant -----	1	12	0
797. Photo film process lab -	0	24	0
798. Toy, sporting goods mfg-	0	36	1

70. MANUFACTURING PROPERTY, UNCLASSIFIED

708. General maintenance shop	12	144	3
-------------------------------	----	-----	---

FIRES-INSPECTIONS-VIOLATIONS

8. STORAGE PROPERTY

81. AGRICULTURAL PRODUCTS STORAGE

812. Boxed agricul. prod. ----	1	24	0
813. Loose agricul. prod. ----	1	24	1
815. Barns, stables -----	0	0	0
818. Agricul. supply storage -	2	6	0

82. TEXTILE STORAGE

821. Baled cotton -----	0	12	0
824. Baled jute, hemp -----	0	0	0
825. Cloth, yarn -----	1	12	0
826. Wearing apparel -----	4	24	0
827. Leather products -----	4	36	1
828. Fur, hair products -----	1	12	0

83. PROCESSED FOOD, TOBACCO STORAGE

831. Packaged foodstuff -----	1	48	0
832. Canned-bottled food-drink	1	48	1
833. Loose, bagged food -----	1	48	1
834. Food locker plants -----	0	0	0
835. Cold storage -----	0	12	0
838. Packaged tobacco prod. --	1	24	0

84. PETROLEUM PRODUCTS, ALCOHOLIC BEVERAGES

841. Flam-comb- liquid tank --	1	84	3
842. Gasometer, cryogenic gas-	0	0	0
843. LP gas plant -----	0	72	0
845. Packaged petroleum prod -	2	24	0
846. Alcoholic beverage -----	2	12	0

85. WOOD, PAPER PRODUCTS STORAGE

851. Lumberyard -----	1	24	0
852. Wood products -----	3	72	2
853. Fiber products -----	2	72	1
854. Rolled paper -----	2	60	1
855. Paper products -----	12	112	4

- 27 -
Bureau of Combustibles

86. CHEMICAL, PLASTIC PRODUCTS FIRES-INSPECTIONS-VIOLATIONS

861. Industrial chemical -----	4	114	2
862. Hazardous chemical -----	4	206	6
863. Plastic-plastic prod. ----	3	70	2
864. Fertilizer -----	0	12	0
865. Paint, varnish -----	2	112	4
866. Drugs, cosmetics -----	0	12	0
867. Rubber-rubber prod -----	1	112	2
868. Photo/film storage -----	0	12	0

87. METAL, METAL PRODUCTS STORAGE

871. Basic metal form -----	0	12	0
872. Metal parts -----	2	48	0
873. Hardware -----	3	116	2
874. Machinery -----	0	12	0
875. Elec appliance supply ---	1	24	0
876. Finished metal prod -----	1	48	2
877. Scrap, junk yards -----	6	108	11

88. VEHICLE STORAGE

881. Garage, residential -----	24	136	3
882. Garage, parking -----	8	364	12
883. Bus-car-truck fleet dealer	1	124	2
884. Heavy machine equip -----	1	12	0
885. Marinas, boat, ship -----	1	6	0
886. Aircraft hanger -----	1	24	0
887. Railway storage -----	2	12	0
888. Fire stations -----	0	12	0

89. GENERAL ITEM STORAGE

891. General warehouse -----	28	464	44
892. Bagged mineral prod -----	0	48	1
893. Packaged mineral prod ---	1	48	1
894. Freight terminal -----	0	16	0
895. Coal, coke, charcoal -----	0	18	0
897. Ice storage -----	0	12	0
898. Wharf, pier -----	1	4	0

80. STORAGE PROPERTY, UNCLASSIFIED

808. Tool shed -----	3	18	0
----------------------	---	----	---

Bureau of Combustibles

9. SPECIAL PROPERTY

FIRES-INSPECTIONS-VIOLATIONS

91. CONSTRUCTION, UNOCCUPIED PROPERTY

911. Building under construct-	4	24	0
912. Building under demolition	3	36	0
915. Vacant property -----	815	7186	1135
916. Contractor shed -----	5	10	0
918. Build/under renovation --	6	36	0

92. SPECIAL STRUCTURES

FIRES

921. Bridge trestle -----	0
922. Tunnel -----	0
924. Toll station -----	0
925. Shelter, bus, storm -----	0
926. Outbuilding -----	0
927. Telephone booth, outdoor-	13

93. OUTDOOR PROPERTIES

931. Open land, field -----	959
932. Dump, landfill -----	48
933. Public mailbox -----	10
934. Cemetery -----	4
936. Vacant lot -----	812

94. WATER AREAS

942. Port, channel -----	0
946. Inland water area -----	0

95. RAILROAD PROPERTY

951. Railroad right of way ---	190
952. Switchyard -----	3
953. Siding -----	6

96. ROAD, PARKING PROPERTY

961. Divided highway -----	4
962. Paved public street -----	432
963. Paved private street ----	1
965. Open parking lot -----	44

97. AIRCRAFT AREAS

971. In flight -----	0
972. On runway -----	0
974. At loading ramp -----	0

- 29 -
Bureau of Combustibles

MOBILE PROPERTY TYPE FIRES

1. PASSENGER ROAD VEHICLES

11. Automobile -----	1176
12. Bus -----	2
13. Motorcycle-golf cart-snowmobile -----	4
14. Motor home-bookmobiles etc -----	1
15. Travel trailer -----	1
16. Camping trailer -----	0
17. Mobile home -----	0

2. FREIGHT ROAD TRANSPORT VEHICLES

21. Trucks over 1 ton, general use -----	43
22. Trucks under 1 ton, small -----	4
23. Semi-trailer truck -----	4
24. Tank truck, nonflam. cargo -----	2
25. Tank truck, flammable/combustible cargo --	0
26. Tank truck, compressed gas or LP gas -----	0
27. Trash truck -----	54

3. RAIL TRANSPORT VEHICLES

31. Passenger, diner car -----	0
32. Freight, box car -----	4
33. Tank car -----	0
34. Container, piggy back car -----	0
35. Locomotive, engine -----	1
36. Self-powered car -----	0
37. Maintenance equipment car -----	1

4. WATER TRANSPORT VESSELS

41. Motor craft (under 65 feet) -----	0
42. Vessel (over 65 feet-under 1000 tons) ----	0
43. Passenger ship -----	0
44. Tank ship -----	0
45. Combat ship -----	0
46. Cargo ship (other than above)-----	0
47. Vessels without power -----	0
48. Commercial fishing vessel -----	0

Bureau of Combustibles

MOBILE PROPERTY TYPE (Continued)

FIRES

5. AIR TRANSPORT VEHICLES

51. Aircraft (under 12,500 lbs) -----	0
52. Personal aircraft over 12,500 lbs -----	0
53. Commercial transport (reciprocating engine-)	0
54. Commercial (jet-turbine powered) -----	0
55. Helicopters, non-military -----	0
56. Combat type aircraft -----	0
57. Non-combat military type aircraft -----	0

6. HEAVY EQUIPMENT

61. Earth moving-bulldozers-graders etc -----	1
62. Construction-pile drivers, compressors ---	2
63. Material handling-forklift-tow motors ----	4
64. Crane -----	1
65. Tractor, harvester, picker -----	0
66. Drilling rig -----	0
67. Armored cars -----	0
68. Space vehicles-rockets, missiles -----	0

7. SPECIAL VEHICLES, CONTAINERS

71. Garden equip.-snow blower -----	2
72. Dumpsters -----	205
79. Special vehicles not classified above ----	0

- 31-
Bureau of Combustibles

BREAKDOWN OF FIRE CODE VIOLATIONS

Cellar storage -----	41
Ceiling over furnace -----	186
Chimney/Flue -----	33
Clothing (flammable) -----	4
Debris/Rubbish (outside) -----	525
Exits/Exit signs -----	327
Electrical -----	248
Extinguishers -----	439
Filters/Grease ducts -----	52
Fire alarm systems -----	62
Fire escapes -----	286
Fireproofing -----	90
Flammable liquids -----	94
Housekeeping (general) -----	72
Junk storage -----	24
Oil burners -----	183
Oil/Grease/gas spills -----	12
Panic bars/egress doors -----	48
Permits (delinquent) -----	199
Salamander/illegal burning -----	6
Shut-off valves -----	3
Siamese caps/connections -----	7
Sprinklers -----	39
Standpipes -----	35
Stairwells -----	108
Storage (general) -----	128
Vacant buildings -----	1135
Vehicles (blocking exits) -----	38
Weeds and brush -----	7
Miscellaneous (not classified) -----	732
 VIOLATION NOTICES SENT -----	 2825
(to owners-tenants-agents- to correct violations)	

- 32 -
Bureau of Combustibles

IGNITION FACTOR

	TOTAL
1. INCENDIARY	
11. Incendiary, not during civil disturb.-	2217
12. Incendiary, during civil disturbance -	0
2. SUSPICIOUS	
21. Suspicious, not during civil disturb.-	563
22. Suspicious, during civil disturbance -	0
3. MISUSE OF HEAT OF IGNITION	
31. Abandoned, discarded, cigarettes etc -	1092
32. Thawing -----	10
33. Falling asleep -----	110
34. Inadequate control of open fire -----	27
35. Cuttin, welding too close to -----	10
36. Children with, child playing -----	119
37. Drug, alcohol stupor, impairment -----	10
4. MISUSE OF MATERIAL IGNITED	
41. Fuel spilled, released accidentally --	4
42. Improper fueling technique -----	3
43. Flammable liquid used to kindle fire -	67
44. Washing part, refinishing, painting --	3
45. Improper container -----	2
46. Combustible too close to heat -----	4
47. Improper storage -----	16
48. Children with, child playing -----	3

Bureau of Combustibles

5. MECHANICAL FAILURE, MALFUNCTION TOTAL

51. Part failure, leak, break -----	12
52. Automatic control failure, delayed ign. --	483
53. Manual control failure -----	3
54. Short circuit -----	79
55. Other electrical failure -----	16
56. Lack of maintenance, worn out -----	9
57. Backfire (outside combustion chamber) ----	2

6. DESIGN, CONSTRUCTION, INSTALLATION DEFICIENCY

61. Design deficiency, catalytic converters --	2
62. Construction deficiency -----	3
63. Installed too close to combustibles -----	7
64. Other installation deficiency -----	454
65. Property too close to (exposure fire) ----	368

7. OPERATIONAL DEFICIENCY

71. Collision, overturn, knockdown -----	173
72. Accidentally turned on-not turned off ----	12
73. Unattended -----	443
74. Overloaded -----	12
75. Spontaneous heating -----	10
76. Improper startup-shutdown procedure -----	12

8. NATURAL CONDITION

81. High wind -----	3
82. Earthquake -----	0
83. High water, including floods -----	0
84. Lightning -----	2

9. OTHER IGNITION FACTOR

91. Animal -----	3
92. Rekindled from previous fire -----	72
99. Other ignition factor not classified -----	271

Bureau of Combustibles

FIRES - AREA OF ORIGIN

0. MEANS OF EGRESS	TOTAL
01. Hallway, corridor, mall -----	404
02. Exterior stairway, fire escape -----	61
03. Interior stairway, ramps -----	73
04. Escalator -----	0
05. Lobby, entrance way -----	43
 1. ASSEMBLY, SALES AREA	
11. Large area w/fixed seats (100 or more) ----	2
12. Large open room w-o fixed seats -----	4
13. Small area less than 100 -----	14
14. Lounge area, living room-den etc -----	79
15. Sales, showroom, shop area -----	64
16. Library -----	0
17. Swimming pool -----	0
 2. FUNCTION AREA	
21. Sleeping room under 5 persons -----	443
22. Sleeping area for 5 or more persons -----	0
23. Dining area, lunchroom, cafeteria -----	112
24. Kitchen, cooking area -----	117
25. Lavatory, locker room, cloakroom -----	47
26. Laundry room -----	46
27. Office -----	14
28. Personal service area, health club etc ----	2
31. Laboratory -----	3
32. Printing/photographic room -----	1
33. First aid, treatment area -----	0
34. Operating, recovery room -----	0
35. Elec. equip. - data proc. area etc -----	2
36. Performance, stage, dressing room areas ---	3
37. Projection room -----	0
38. Process, manufact. woorkroom area -----	4
 4. STORAGE AREAS	
41. Storage tank or bin -----	3
42. Closet -----	200
43. Supply storage room -----	14
44. Records storage room, vault -----	3
45. Shipping, receiving areas -----	21
46. Trash, rubbish area, container -----	100
47. Garage, carport -----	46

Bureau of Combustibles - 35

5. SERVICE FACILITIES	TOTAL
51. Elevator, dumb-waiter -----	16
52. Utility shaft -----	10
53. Light shaft -----	0
54. Chute, laundry-mail -----	4
55. Duct, heat-air cond. -----	4
56. Display window -----	4
57. Chimney -----	71
58. Conveyor -----	2
6. SERVICE, EQUIPMENT AREA	
61. Machinery room -----	10
62. Heating equipment room -----	120
64. Incinerator room -----	580
65. Maintenance shop, welding, paint -----	14
7. STRUCTURAL AREA	
71. Crawl space -----	21
72. Open porch -----	119
73. Concealed floor/ceiling space -----	12
74. Concealed ceiling/roof space -----	10
75. Concealed wall space -----	16
76. Exterior wall surface -----	222
77. Exterior roof surface -----	42
78. Awning -----	6
8. TRANSPORTATION, VEHICLE AREA	
81. Passenger area -----	212
82. Trunk area -----	17
83. Engine area -----	543
84. Fuel tank, line area -----	41
85. Control area -----	14
86. Exterior area -----	29
9. OTHER AREA OF ORIGIN	
91. On or near railroad right of way -----	199
92. On or near highway, street -----	1481
93. Court, patio, terrace -----	21
94. Lawn, field, parks, vacant lot -----	812
95. Woods -----	0

- 36 -
Bureau of Combustibles

FIRES - EQUIPMENT INVOLVED IN IGNITION	TOTAL
1. HEATING SYSTEMS	
11. Central heating unit-----	201
12. Water heater -----	11
13. Wall furnace-unit heater -----	6
14. Indoor fireplace -----	2
15. Portable unit-space-salamander -----	6
16. Chimney, flue -----	43
17. Chimney connector - smoke pipe -----	16
18. Steam, heating pipes-ducts -----	2
2. COOKING EQUIPMENT	
21. Fixed, stationary stove -----	113
22. Fixed, stationary oven-rotisseries ---	3
23. Food warming-urns, steam tables -----	3
24. Deep fat fryer -----	4
25. Portable unit-hot plate, toaster etc -	16
26. Open fire grill, charcoal-barbeque ---	21
27. Grease hood, duct -----	6
3. AIR CONDITIONING, REFRIGERATION EQUIPMENT	
31. Central air-refrigeration -----	12
32. Water cooling device -----	0
33. Fixed local refrig. unit, freezer ----	14
34. Fixed local air cond. unit -----	6
35. Portable air cond./refrig. unit -----	6
4. ELECTRICAL DISTRIBUTION EQUIPMENT	
41. Fixed wiring-power lines, cables -----	61
42. Transformer -----	2
43. Meter, meter box -----	6
44. Panelboards, fuses, circuit breakers -	10
45. Switch, receptacle, outlet -----	5
46. Light fixture, ballast, sign -----	4
47. Cord, plugs -----	32
48. Lamp, light bulb -----	12

5. APPLIANCES, EQUIPMENT

TOTAL

51. Television, radio, tape recorder -----	23
52. Dryer -----	7
53. Washing machine -----	6
54. Floor care equipment -----	10
55. Separate motor, generator -----	31
56. Hand tools, soldering irons -----	4
57. Elec. blankets, steam irons -----	2
58. Elec. razors, can openers -----	0
59. Dishwashers -----	6

6. SPECIAL EQUIPMENT

61. Electronic-X-ray, computer -----	0
62. Vending machine -----	2
63. Office machine -----	6
64. Biomedical equipment, device -----	0
65. Separate pump, compressor -----	2
66. Internal combustion engine -----	1
67. Conveyor -----	1
68. Printing press -----	1

7. PROCESSING EQUIPMENT

71. Furnace, oven, kiln -----	2
72. Casting, molding equipment -----	2
73. Heat treating equipment -----	10
74. Shaping, sawing, grinding machines -----	1
75. Coating, asphalt-rubber -----	3
76. Painting, dipping, spraying -----	9
77. Chemical process, digesters reactors ---	2
78. Waste recovery equipment -----	1

8. SERVICE, MAINTENANCE EQUIPMENT

81. Incinerator -----(compactor)-----	587
82. Bearing, brake -----	14
83. Rectifier, charger -----	2
84. Tarpot, kettle -----	14
85. Arc, oil lamp -----	12
86. Elevator -----	21
87. Torches, cutting, welding, plumbers ----	43

9. OTHER OBJECT, EXPOSURE FIRE

91. Separate removed exposure (50 or more ft)	14
92. Separate detached (one to 50 ft) -----	116
93. Separate adjoining (less than one foot)-	327
94. Attached protected exposure -----	41
95. Attached unprotected -----	63
96. Vehicle -----	41

FORM OF HEAT OF IGNITION

TOTAL

1. HEAT FROM FUEL FIRED, FUEL POWERED OBJECT

11. Spark, ember, flame/gas fueled equip. -----	1201
12. Heat from gas fueled equipment -----	106
13. Spark, ember, flame/liquid fueled equip. ---	2
14. Heat from liquid fueled equipment -----	14
15. Spark, ember, flame/solid fueled equip. ----	4
16. Heat from solid fueled equipment -----	2

2. HEAT FROM ELECTRICAL EQUIPMENT ARCING, OVERLOADED

21. Water caused short circuit arc -----	3
22. Short circuit from mechanical damage -----	6
23. Short circuit from defective/worn insulation	19
24. Short circuit arc, unspecified -----	61
25. Arc from faulty contact/loose connection ---	6
26. Arc from switch -----	2
27. Heat from overloaded equipment -----	12
28. Fluorescent light ballast -----	16

3. HEAT FROM SMOKING MATERIAL

31. Cigarette -----	2687
32. Cigar -----	4
33. Pipe -----	1

4. HEAT FROM OPEN FLAME, SPARK

41. Cutting torch operations -----	10
42. Welding torch operations -----	16
43. Torch, plumbers, blow, soldering -----	10
44. Candle, taper -----	2
45. Match -----	241
46. Lighter, flame type -----	4
47. Open fire, camp, flares, rubbish -----	2109
48. Backfire from internal combustion engine ---	113

Bureau of Combustibles

5. HEAT FROM HOT OBJECT TOTAL

51. Heat, spark from friction -----	9
52. Molten, hot material -----	10
53. Hot ember, ash -----	14
54. Electric lamp, bulbs -----	12
55. Rekindle, reignition -----	72
56. Heat from properly operating elec. equip-	3
57. Heat from improperly operating equip ----	6

6. HEAT FROM EXPLOSIVES, FIREWORKS

61. Explosives, bombs, ammunition -----	4
62. Blasting agent -----	3
63. Fireworks, sparklers -----	2
64. Paper cap, party popper -----	2
65. Model rocket -----	0
66. Incendiary device, molotov cocktail ----	107

7. HEAT FROM NATURAL SOURCE

71. Sun's heat -----	2
72. Spontaneous ignition, chemical reaction -	12
73. Lightning discharge -----	3
74. Static discharge -----	2

8. HEAT SPREADING FROM ANOTHER HOSTILE FIRE (EXPOSURE)

81. Heat from direct flame -----	416
82. Radiated heat -----	123
83. Heat from flying brands, embers -----	373
84. Conducted heat -----	102

Bureau of Combustibles

TYPE OF MATERIAL FIRST IGNITED

1. GAS	TOTAL
11. Natural gas -----	0
12. LP-City gas -----	122
13. Manufactured gas -----	0
14. LP gas -----	7
15. Anesthetic gas -----	0
16. Acetylene gas -----	9
17. Specialty gas other than anesthetic -----	0
2. FLAMMABLE, COMBUSTIBLE LIQUID	
21. Class 1A flammable liquid -----	13
22. Class 1B flammable liquid -----	3
23. Gasoline -----	347
24. Class 1C flammable liquid -----	0
25. Class 1I combustible liquid -----	14
26. Class 1IIA combustible liquid -----	19
27. Class 1IIB combustible liquid -----	1
3. VOLATILE SOLID, CHEMICAL	
31. Grease, Fat (food) -----	113
32. Grease (non-food) -----	1
33. Polish, paraffin, wax -----	1
34. Adhesive, resin, tar -----	4
35. Applied paint, varnish -----	11
36. Combustible metal, magnesium -----	0
37. Solid chemical -----	0
38. Radioactive material -----	0
4. PLASTIC	
41. Polyurethane -----	2
42. Polystyrene -----	2
43. Polyvinyl -----	6
44. Polyacrylic -----	0
45. Polyester -----	2
46. Polyolefin -----	0

5. NATURAL PRODUCT	TOTAL
51. Rubber -----	32
52. Cork -----	2
53. Leather -----	4
54. Grass, leaves, hay, straw -----	1312
55. Grain, feathers, flax, hemp -----	2
56. Coal, coke, briquettes -----	6
57. Food, starch -----	0
58. Tobacco -----	612

6. WOOD, PAPER

61. Growing wood -----	21
62. Felled but unsawn wood -----	1
63. Sawed wood, finished lumber -----	416
64. Wood shavings, sawdust -----	4
65. Hardboard, plywood -----	63
66. Fiberboard, pressed wood products -----	12
67. Paper, untreated, uncoated -----	1614
68. Cardboard -----	12

7. FABRIC, TEXTILE, FUR

71. Man-made fiber, fabric -----	19
72. Cotton, rayon -----	11
73. Wool, wool mixture -----	13
74. Fur, silk -----	4
75. Wig -----	0
76. Human hair -----	0

8. MATERIAL COMPOUNDED WITH OIL

81. Linoleum -----	12
82. Oil cloth -----	2
83. Treated or coated paper -----	16
84. Waterproof canvas -----	0
85. Oily rags -----	14
86. Asphalt treated material -----	21

FORM OF MATERIAL FIRST IGNITED

1. STRUCTURAL COMPONENT, FINISH TOTAL

11. Exterior roof covering -----	42
12. Exterior sidewall covering -----	222
13. Exterior trim, door, porch -----	137
14. Floor covering, tile, carpet, rug -----	86
15. Interior wall covering -----	112
16. Ceiling covering, acoustic tile etc--	14
17. Structural member, framing -----	39
18. Thermal insulation within wall -----	0

2. FURNITURE

21. Upholstered sofa, chair -----	179
22. Non-upholstered chair, bench -----	12
23. Cabinetry, chests, bookcases -----	13
24. Ironing board -----	2
25. Appliance housing or casing -----	1

3. SOFT GOODS, WEARING APPAREL

31. Mattress, pillow -----	512
32. Bedding, blanket, sheet -----	314
33. Linen other than bedding -----	27
34. Wearing apparel not on person -----	14
35. Wearing apparel on a person -----	0
36. Curtain, blind, drapery -----	16
37. Goods not made up, yard goods -----	1
38. Luggage -----	0

4. ADORNMENT, RECREATIONAL MATERIAL

41. Christmas tree -----	0
42. Decoration for special event -----	0
43. Book -----	0
44. Magazine, newspaper, writing paper -----	236
45. Toy, game -----	0
46. Awning, canopy -----	6
47. Tarpaulin, tent -----	0

5. SUPPLIES, STOCK TOTAL

51. Box, carton, bag -----	61
52. Basket, barrel -----	2
53. Pallet, skid -----	2
54. Rope, cord, twine, yarn -----	16
55. Packing, wrapping material -----	37
56. Bale storage -----	14
57. Bulk storage -----	2
58. Cleaning supplies, brooms, brushes -----	17

6. POWER TRANSFER EQUIPMENT, FUEL

61. Electrical wire, cable insulation -----	44
62. Transformer -----	2
63. Conveyor belt, drive belt -----	2
64. Tire -----	16
65. Fuel -----	272

7. GENERAL FORM

71. Agricultural product -----	3
72. Fence, pole -----	6
73. Fertilizer -----	0
74. Growing form, brush, grass -----	1302
75. Rubbish, trash, waste -----	1201
76. Cooking materials -----	113
77. Sign -----	4

8. SPECIAL FORM

81. Dust, fiber, lint -----	2
82. Pyrotechnics, explosives -----	2
83. Atomized, vaporized liquid -----	0
84. Chips -----	2
85. Palletized material, stored -----	41
86. Gas or liquid from pipe or container ---	41
87. Rolled material, paper -----	3
88. Adhesive -----	6

BUREAU OF INVESTIGATION

(ARSON SQUAD)

Annual Report submitted by
Battalion Chief Carl E. Stoffers
for the year 1978

The following is a report of the activities of the Arson Squad of the Newark Fire Department for the year of 1978.

The complete records of all investigations conducted by the Arson Squad, including photographs, evidence, statements, etc., are on file in the Arson Squad office and will be made available to interested parties where needed for deposition. Grand Jury presentation, criminal prosecution, civil suit, or for any purpose demanded.

Records of juvenile apprehensions, adult arrest, together with court disposition of these arrests, are on file in the Arson Squad Office, and will be made available to the proper wuthorities on request.

The Arson Squad has maintained a daily association with other bureaus of municipal government, such as the Newark Police Department's Youth Aid Bureau, Board of Education, Fire Prevention Bureau and the department of Health and Welfare.

Throughout the past year, we have continued our liaison with the New Jersey State Police, Essex County Prosecutor's Office, Federal Bureau of Investigation, New Jersey Motor Vehicle Department, New Jersey Youth and Family Services. These agencies have given us important assistance in many of our investigations and we express our gratitude for this help.

oOo

BUREAU OF INVESTIGATION (2)

(ARSON SQUAD)

OTHER ACTIVITIES OF THE ARSON SQUAD FOR 1978

During the year 1978, the Arson Squad participated in the following:

1. The Arson Squad in conjunction with the New Jersey State Attorney General's Office and the Newark Police Intelligence unit have conducted an investigation into the illegal disposal of chemical waste. This investigation was started in 1976 but the bulk of the work was done in 1977-1978. Indictments and convictions were returned in 1978 and more are expected in 1979.
2. In June two members attended a two week course in Fire and Arson Investigation. This course was given by the National Fire Academy at John Jay College of Criminal Justice in New York City.
3. In November, the Newark Arson Squad, with the co-operation of the Essex County Police Academy, gave a seminar at the Academy's facilities in Cedar Grove. The week long session was attended by 28 Police Officers from various communities in Essex. The instruction was well received and we are looking forward to similar sessions involving not only police officers but fire fighters as well.

The Arson Squad has for the year 1978, as in past years, participated in the National Bomb Data Program sponsored by the United States Department of Justice, Federal Bureau of Investigation.

oOo

BUREAU OF INVESTIGATION (3)

(ARSON SQUAD)

The Essex County Prosecutor's Office has requested and received assistance from us on several occasions. On these occasions members of the Arson Squad have appeared as expert witnesses for the Prosecutor against arsonists and members of organized crime.

At this time I would like to thank the Newark Demolition team for the help and cooperation they so willingly give when they respond to the scene of a fire tragedy. The expert operation of heavy construction equipment and the knowledge they have of demolishing buildings certainly makes our job easier.

I wish to take this opportunity to thank Director Caufield, Chief O'Beirne, and all officers and Members of the Fire Department for all the cooperation and assistance given the Arson Squad during the year 1978.

We in the Arson Squad, feel that through this combined effort and understanding of each other's problems, we were able to be more successful than in previous years.

oOo

BUREAU OF INVESTIGATION (4)

(ARSON SQUAD)

Deaths by Fire 1978

<u>Date</u>	<u>Time</u>	<u>Station</u>	<u>Address</u>	<u>Sex</u>	<u>Age</u>	<u>Cause</u>
Jan. 6	2155	4345	53 Johnson Avenue	M	37	Undetermined
Jan. 23	0020	1423	83 No. 13th Street	F	13	Undetermined
Jan. 28	0020	1423	83 No. 13th Street	F	17	Undetermined
Jan. 28	0020	1423	83 No. 13th Street	F	20	Undetermined
Feb. 5	0018	4182	22 Milford Avenue	M	50	Accidental
Feb. 12	2049	2531	839 Frelinghuysen Ave.	M	77	Accidental
Feb. 14	2359	4439	563 Springfield Avenue	F	2	Undetermined
Feb. 27	1656	5184	17 Oxford Street	F	5	Accidental
Feb. 27	1656	5184	17 Oxford Street	F	3	Accidental
Mar. 7	0306	4244	195 Ridgewood Avenue	M	35	Incendiary
Mar. 23	1716	4213	3-5 16th Avenue	M	60	Undetermined
Mar. 30	2116	2313	74 Orchard Street	M	40	Undetermined
Apr. 8	0116	1444	30 Ashland Street	F	46	Incendiary
Apr. 8	0116	1444	30 Ashland Street	M	52	Incendiary
Apr. 9	0102	4454	189 16th Avenue	F	78	Undetermined
Apr. 20	2120	3235	412 Broadway	M	3	Incendiary
July 1	1949	2418	17 Miller Street	M	51	Undetermined
Aug. 4	0934	3119	8 Eagle Street	F	42	Undetermined
Aug. 4	0934	3119	8 Eagle Street	F	62	Undetermined
Aug. 10	0311	2161	69 James Street	F	14	Accidental
Aug. 10	0311	2161	69 James Street	M	5	Accidental
Aug. 10	0311	2161	69 James Street	M	3	Accidental
Aug. 14	0300	4261	761 Hunterdon Street	M	4 mos.	Incendiary

BUREAU OF INVESTIGATION (5)

(ARSON SQUAD)

Deaths of Fire 1978

<u>Date</u>	<u>Time</u>	<u>Station</u>	<u>Address</u>	<u>Sex</u>	<u>Age</u>	<u>Cause</u>
Sept. 4	0327	3244	96-98 Oraton Street	M	42	Incendiary
Sept. 4	0445	4255	162 Avon Avenue	F	10	Incendiary
Sept. 4	0445	4255	162 Avon Avenue	M	12	Incendiary
Sept. 10	0414	4459	495 So. 18th Street	F	42	Accidental
Oct. 15	0105	4144	126 Avon Avenue	M	50	Undetermined
Nov. 15	0855	1341	144 Fairmount Avenue	F	72	Undetermined
Nov. 19	0425	4747	41 17th Avenue	F	24	Undetermined
Nov. 21	0223	4254	618 Hunterdon Street	M	50	Accidental
Nov. 21	0330	5234	61 Napoleon Street	M	50	Undetermined
Dec. 7	0044	4453	569 So. 12th Street	F	31	Undetermined
Dec. 7	0044	4453	569 So. 12th Street	M	30	Undetermined
Dec. 7	0044	4453	569 So. 12th Street	F	3	Undetermined
Dec. 7	0044	4453	569 So. 12th Street	F	2	Undetermined
Dec. 7	0044	4453	569 So. 12th Street	F	21	Undetermined
Dec. 7	0044	4453	569 So. 12th Street	F	40	Undetermined
Dec. 7	0044	4453	569 So. 12th Street	F	31	Undetermined
Dec. 7	0044	4453	569 So. 12th Street	M	12	Undetermined
Dec. 7	0044	4453	569 So. 12th Street	M	10	Undetermined
Dec. 7	0044	4453	569 So. 12th Street	M	9	Undetermined
Dec. 7	0044	4453	569 So. 12th Street	M	5	Undetermined
Dec. 7	0044	4453	569 So. 12th Street	M	3	Undetermined
Dec. 16	0228	5178	65 Jackson Street	F	18	Undetermined
Dec. 28	1216	4152	137 Ridgewood Avenue	M	55	Undetermined

BUREAU OF INVESTIGATION (CONTINUED)- 6 -
(ARSON SQUAD)

MISCELLANEOUS STATISTICS

False Alarms, Juveniles Apprehended

Juveniles referred to Youth Aid Bureau	4
Juveniles Reprimanded	26
Juveniles referred to J.I.N.	0
(Juveniles in Need of Supervision)	
Total -----	<u>30</u>

Other Than False Alarm Juveniles Apprehended

Juveniles referred to Youth Aid Bureau	50
Juveniles Reprimanded	13
Juveniles referred to Youth and Family Services	1
Total -----	<u>64</u>

Adult Arrests

Setting Fires	33
False Alarms	15
Others	13
Totals -----	<u>61</u>

Court Appearances

144

Court Hours (Man-Hours)

528

Deaths at Fires

Adult Males	14
Adult Females	13
Juvenile Males	
(Under 18)	10
Juvenile Females	
(Under 13)	9
Total Deaths -----	<u>46</u>

Fires Investigated

Signal 100-102	1354
Second Alarms	85
Third Alarms	19
Fourth Alarms	3
Signal 200's	46
Total -----	<u>1507</u>

BUREAU OF INVESTIGATION (CONTINUED) - 7 -
(ARSON SQUAD)

MISCELLANEOUS STATISTICS

Arson (Incendiary)	1635	
Accidental or Carelessness (Electrical)	84	
Undetermined	193	
Others	<u>10</u>	
Total -----		1922
False Alarms (300)	29	
Complaints	<u>151</u>	
Total -----		180
New Applicants Investigated	130	
Out of Town	0	
Motor Vehicles Accidents	<u>1</u>	
Total -----		<u>131</u>
TOTAL INVESTIGATIONS -----		2,233

ooo

FIRE SIGNAL SYSTEM OPERATIONS

197° ANNUAL REPORT

Robert L. Higgins, Chief

In compliance with the Rules and Regulations of the Newark Fire Department, I hereby submit this annual report.

1. Alarms transmitted	21,891
2. False Alarms received	5,954
3. Box tests supervised	4,325
4. Tests from private fire alarm companies supervised	3,000
5. Tests conducted of Airport fire alarm facilities	365
6. Telephone calls handled over Centrex system (appr.)	470,000
7. Radio calls handled (approx.)	230,000
8. Number of circuits tested	73,000
9. Miscellaneous reports prepared and distributed	9,300
10. Individuals and agencies dispatched to multiple alarms	3,570
11. Prepare and distribute daily Alarm Summary reports	365
12. Prepare orders for purchase of equipment and materials necessary for this Division,	
13. Verify invoices and bills related to all Fire Department telephones.	
14. Supervise installation of new equipment within the Central Office.	
15. Other job operations (bookkeeping, janitorial duties, etc.)	

1. Box Alarms Transmitted	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	TOTAL
A) Full Assignment Alarms	280	262	291	327	354	459	458	417	328	365	410	433	4384
B) Signal Eight Alarms (One engine, One truck) & Battalion Chief)	142	100	77	80	69	86	77	83	48	60	71	84	977
C) Signal Nine Alarms (Two engines One truck) & Battalion Chief)	426	346	541	620	553	725	753	664	626	625	572	644	7095
D) Total of the foregoing	848	708	909	1027	976	1270	1288	1164	1002	1050	1053	1161	12456

2. One Unit Alarms Transmitted	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	TOTAL
A) Single Company (Fire, Emergencies, etc.)	647	509	666	951	776	962	869	873	753	717	811	891	9425

3. GRAND TOTAL	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	TOTAL
A) Paragraph #1 & #2	1495	1217	1575	1978	1752	2232	2157	2037	1755	1767	1864	2052	21881

4. Alarm Received From (BY)	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	TOTAL
A) Fire Box	405	333	523	627	615	834	811	723	632	654	626	571	7354
B) Telephones	378	326	352	361	314	381	428	381	330	332	397	533	4513
C) Central Automatic Systems	56	44	30	31	35	37	31	38	24	39	20	39	424
D) Police Dept.	4	2	0	3	7	7	9	7	6	9	6	6	66
E) Dept. Radio System	5	3	4	5	5	11	9	15	10	16	4	12	99
TOTAL of the foregoing	848	708	909	1027	976	1270	1288	1164	1002	1050	1053	1161	12456

5. MULTIPLE ALARMS

A) Second Alarms

B) Third Alarms

C) Fourth Alarms

TOTAL MULTIPLE ALARMS

6. ALARMS FROM FIRE BOXES

A) Total number of FIRE Alarm Boxes pulled for incidents

B) Number of signals from fire Boxes held because alarm had already been transmitted.

7. REPORTS FOR SAME FIRE RECEIVED THROUGH TWO UNRELATED MEDIUMS

A) Confirming alarm received from fire box after notice by phone

B) Confirming phone notice received after alarm from fire box

C) Alarm received by one medium only

D) Alarm received thru more than one medium

8. UNITS RELOCATED DURING EMERGENCIES

9. TELEGRAPH SIGNALS TRANSMITTED

10. UNITS ENROUTE TO ALARMS STOPPED BY RADIO AND PUT IN SERVICE

11. NEWARK COMPANIES DISPATCHED TO ASSIST ESSEX COUNTY COMMUNITIES DURING 1978

	Jan.	Feb	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	TOTAL
A) Second Alarms	6	7	4	12	4	11	9	9	6	3	6	8	85
B) Third Alarms	4	2	1	1	1	2	2	1	1	1	2	1	19
C) Fourth Alarms	0	0	0	2	0	0	1	0	0	0	0	0	3
TOTAL MULTIPLE ALARMS	10	9	5	15	5	13	12	10	7	4	8	9	107
6. ALARMS FROM FIRE BOXES	565	530	720	830	960	840	895	750	710	800	725	730	9055
A) Total number of FIRE Alarm Boxes pulled for incidents	80	60	75	110	90	75	96	75	63	85	76	70	955
B) Number of signals from fire Boxes held because alarm had already been transmitted.	28	20	30	35	37	40	28	38	30	38	40	30	394
A) Confirming alarm received from fire box after notice by phone	21	16	17	20	27	18	20	20	18	10	10	12	209
B) Confirming phone notice received after alarm from fire box	799	672	862	972	912	1212	1240	1106	954	1002	1003	1119	11853
C) Alarm received by one medium only	49	36	47	55	64	58	48	58	48	48	50	42	603
D) Alarm received thru more than one medium	75	79	45	114	57	89	91	88	52	46	56	80	872
8. UNITS RELOCATED DURING EMERGENCIES	6153	5577	6483	8388	7818	10123	9989	9225	7822	8116	8520	9302	97516
9. TELEGRAPH SIGNALS TRANSMITTED	3731	3115	3999	4518	4294	5588	5667	5121	4408	4620	4633	5108	54802
10. UNITS ENROUTE TO ALARMS STOPPED BY RADIO AND PUT IN SERVICE													
11. NEWARK COMPANIES DISPATCHED TO ASSIST ESSEX COUNTY COMMUNITIES DURING 1978													
	TOTAL CALLS 20												TOTAL UNITS 47

FIRE SIGNAL SYSTEM
CONSTRUCTION & MAINTENANCE
ANNUAL REPORT
FOR THE YEAR 1978

The following is a report of the work performed by the Construction and Maintenance Division of the Fire Signal System, for the year 1978:

Subterranean ducts rodded and cleaned (feet of)	15,147
Pull wire installed in subterranean ducts (feet of)	16,775
Subterranean cable installed (feet of)	148,195
Single Line conductor installed (feet of)	11,544
Integrated messenger twin wire installed (ft. of conductor)	5,828
Twin Ruraline wire installed (feet of conductor)	13,424
Galvanized messenger wire installed (feet of)	1,510
Subterranean cable removed (feet of conductor)	143,045
Line wire removed (feet of)	22,124
Galvanized messenger wire removed (feet of)	1,510
Fire Alarm boxes installed (modified)	126
Fire Alarm boxes relocated	24
Fire Alarm boxes to shop for service/modification	130
Fire Alarm boxes inspected, tested and wound	253
Fire Alarm boxes tested and wound	5,121
Stanchions reset	25
Junction boxes installed	18
Junction boxes replaced	26
Stanchions/Junction boxes rehabilitated	138
Stanchions/Junction boxes removed	14
Pole line construction released only	42
Pole line hardware/crossarms replaced only	326
Pole line transfers completed	58
Line wire protective coverings installed	7
Trees trimmed	532
Ground rods buried	76
Fire house batteries serviced (sets of)	360
Fire alarm box-pole painting	68
Field inspections (hours of)	272
Field facility patrol (miles of)	251
Training sessions (hours of)	48
Housekeeping/vehicle maintenance (hours of)	51
Corrective functions performed	6,174
Major job operations completed	4,569
Minor job operations completed	5,097
Pre-Construction conferences attended	12
Surveys for private fire alarms systems conducted	9
Central office maintenance (hours of)	122
Portable radio in shop repairs	38

o o o

PLANNING & RESEARCH DIVISION

Annual Report submitted by
Stanley Kossup, Deputy Chief
for the year 1978

During 1978 the Planning and Research Division engaged in a variety of activities that provided assistance in the administration and operation of the Newark Fire Department. These areas of activities included the following:

Capital Budget Preparation and Monitoring

Projects currently being monitored are:

1. Rehabilitation of Engine Co. No. 12 - Truck No. 5. (Estimated date of completion, Spring 1979).
2. Reconstruction of apparatus floor at Engine Co. No. 8. (Estimated date of completion, March 14, 1979).
3. Reconstruction of roofs of the following Companies:

Engine Co. No. 4 - Truck No. 2
Engine Co. No. 29 - Truck No. 10
Engine Co. No. 15 - Truck No. 7
Engine Co. No. 21 and 26 - Truck No. 12
Engine Co. No. 6
Engine Co. No. 14
Engine Co. No. 19
Engine Co. 7 - Truck No. 3
Engine Co. No. 18 - Truck No. 9
Tactical Unit No. 1 Annex
Engine Co. No. 5
Engine Co. No. 9
Engine Co. No. 17
Special Services
Fire Alarm - Maintenance and Construction
(Estimated date of completion of the entire project -
Fall 1979).

Operating Budget

This Division maintained a liaison between the Fire Director's Office and the Budget Director's Office, in the preparation of the 1978 Operating Budget. With the assistance of all Fire Department Division Chiefs through the utilization of their projected activities, Planning prepared, coordinated and presented the Fire Department's Goals and Objectives.

Formulation of Proposals and Justification for the Purchase of Vehicles and Equipment

Funds have been encumbered, vehicle and equipment ordered, with expected delivery in early 1979.

American La France rear mounted 100 ft. aerial ladder truck,
Survivair Lightweight mask equipment.

PLANNING & RESEARCH DIVISION (2)

A replacement schedule for apparatus, through 1996, has been developed, prepared and presented.

In 1978 a Civil Service examination for Firefighters was called. To expedite the written and physical sections, Planning made the arrangements for the written examination to be held at Essex County College and the physical section to be held at the gymnasium of the New Jersey Institute of Technology. With the cooperation of Brenda Veltri, Personnel Director, this Division developed a new and complete medical examination which was administered to all candidates to ensure their fitness for fire duty. Various state and local officials cooperated in making this involved program a success; they should be complimented on their dedication.

Director Caufield, in his continuing concern for the health and welfare of all firefighters, ordered that a program be developed to provide tetanus inoculations for all members. Planning was responsible for the purchase of the vaccine, the scheduling of the program and maintaining records of all inoculations administered. The Department of Health and Welfare, the Fire Department Surgeons and the Training Center Staff of the Newark Fire Department, gave their full cooperation whenever requested and the program was successfully completed.

A major function of the Planning and Research Division is the control of Fire Department's Sick Leave Records. The Illness/Injury Reporting System, implemented in July of 1977, has proven a success in data collection and through the efforts of the Data Processing Division updated information is provided on a weekly basis showing complete Sick Leave Records of all personnel. This has enabled the Fire Department to have better control of Sick Leave procedures. Further, a complete and updated list of all Compensation Awards granted for the past fifteen (15) years is maintained.

A system of charts has been developed to allow the Administration to have tighter control of on-duty personnel and to insure adequate Company manning. This system provides, on a daily basis, the number of personnel on duty, taking into consideration Sick Leaves, vacations and personnel days granted. Together with the compilation and comparison of data from the Daily Exception Reports, this procedure has proven to be an administrative success.

For the first time in the history of the Newark Fire Department a yearbook on the Newark Fire Department was developed. The Planning and Research Division completed this project in 1978 with the distribution of over one thousand (1,000) copies to interested department members and outside parties. From pictures taken for the yearbook, identification cards were created by this Division and distributed to all members.

All arrangements for schools, conventions and seminars attended by Fire Department members and the necessary documentation for reimbursement is handled by this Division. Records of the amounts of gasoline, diesel fuel, oil and gas and electricity used throughout the department is maintained on a monthly basis.

PLANNING & RESEARCH DIVISION (3)

The Planning and Research Division has been designated as the City Hall First-Aid Station. We respond to all calls for First-Aid and maintain equipment for resuscitation. The Planning Division provides a blood pressure monitoring program available to all City Hall employees. Records are maintained of all First-Aid and blood pressure services rendered.

The Planning and Research Division has been designated by the Director as the contact for all required Affirmative Action activities. A liaison has been established with the Division of Human Rights and quarterly reports regarding Fire Department personnel, such as, transfers, promotions, training activities, terminations and hirings, are submitted.

With the cooperation of the Law Department, this Division has recently developed a much needed "Smoke Detector" ordinance for the City of Newark.

Planning has responded to all requests for information relative to fire data from other agencies, fire departments, cities and citizens. Requests for information have come from Australia, Canada and England and in all cases full cooperation was provided in supplying the necessary data.

Planning and Research, because of the dedication and competence of its assigned members, has provided the administrative impact necessary to properly respond to all activities and duties delegated by the Fire Director and Fire Chief.

It is my feeling that we have had a productive and successful year, and I and my staff wish to thank the Director, Fire Chief and all department members who assisted us in accomplishing our tasks during the year 1978.

oOo

SPECIAL SERVICE AND SUPPLY COMPANY

Annual Report submitted by
Arthur J. Schmidt, Deputy Chief
for the year 1978

The Special Service & Supply Division operated on an around the clock basis throughout the year, and continued to supply the necessary services of repair and supply to all Fire Department units, and to provide various other services to city departments and agencies, and the community in general. These services were provided by our personnel, some of whom are assigned to tours, and some on a daytime basis only. Planned programs and policies were adhered to, and new programs and procedures have been formulated for the forthcoming year, in an attempt to achieve goals in the most expeditious manner. Accomplishments and services of the various sections in this Division during the past year are as follows:

DELIVERY AND PICK-UP SERVICE. Deliveries and pick-ups were made on a morning, afternoon and evening basis, on a routine basis. Items of an emergency nature were handled immediately, on a 24-hour-a-day basis. Items handled were such things as housekeeping, supplies, tools, equipment, extinguishers, oxygen, air cylinders, masks, furniture, lockers, rock salt, ladders, hose and other supplies and equipment that require storage and transportation.

Special Service responded to multiple alarm fires and special calls, with fuel and apparatus, air tanks, salvage covers, and when requested specifically, the Hi-Ex Foam Generator, the Smoke Ejectors, and foam concentrates.

Special Service is also charged with the pick up at fire scenes of salvage covers, the cleaning and maintenance of same, the redistribution of these salvage covers to fire companies throughout the Fire Department.

Special Service is also available, and responds to cordon off buildings deemed to be in dangerous condition, posting these buildings, indicating that a dangerous condition exists at the site. This is done by special request of Fire Chiefs at the incident site.

Fire apparatus requiring repairs or adjustments were picked up and delivered to various locations. Replacements for these apparatus were delivered to the affected fire companies by Special Service personnel.

MESSENGER SERVICE: This service is provided by Special Service personnel. The messenger carried out his prescribed duties daily, calling on Headquarters, as well as all Chiefs' quarters. This is literally the Department's mail system. He also performed related duties.

MASK REPAIR DEPARTMENT: The mask department was charged with the repair and maintenance of all types of masks used by the Fire Department. During the past year this department bench-checked over two thousand masks. The Scott Air Masks, utilized as "loaners", were also checked and maintained, as well as all air tanks. Over ten thousand such tanks were filled by this unit during the past year.

Special Service & Supply (2)

AIR PURIFICATION UNIT. A total of 10,000 air tanks were filled during the past year, with over 200 hours of pumping time recorded by this unit. Provision is made to comply with both the state and federal health laws, air samples being tested monthly throughout the year.

CANVAS SHOP. Canvas items such as turntable covers, chain saw sheaths, electrical generator covers, turret nozzle covers, hose and bed covers, foam can covers, bags for utilitarian use, etc., were made in this department, as well as the maintenance of these type items. Window shades were also repaired and fabricated in this department.

STOCK ROOM. All tools, equipment, devices, and supplies, (except those ordered through Fire Headquarters and the Hose Shop), were ordered, received, checked, recorded, stored, and distributed as needed to the fire units through the delivery service.

Auto and truck equipment were handled by this unit during the past calendar year.

Supply room personnel repaired porto-lites, desk lamps, extension cords, K-12 saws, generators, etc. They also made special belts and straps, tested salvage covers, and made the necessary arrangements with the carpenter shop to repair and replace hook and axe handles. This group also made the necessary arrangements for the construction and maintenance of such items as skid load panels, hose and decking, apparatus windshields and canopies, and the arrangements with the Department of Public Works for the maintenance and repair of all Fire Department buildings.

This department is also charged with the repair of such articles as portable pumps, explosimeters, and the maintenance and supply of saw blades.

APPARATUS MAINTENANCE. All fire apparatus in service, and all spare apparatus were tested by this department in accordance with accepted procedures. Apparatus repairs were scheduled by this department, and records of such repairs, recorded and filed. Brackets and accessories on new apparatus were installed by these personnel. Arrangements were made with outside jobbers for necessary apparatus repairs and modifications. The scheduling and maintenance of the department preventative program was administered by this unit.

Specifications for the purchase of new apparatus were also drawn up by this unit in conjunction with the Fire Chief. This activity, and the acceptance procedure for new vehicles often required meetings with the agents and representatives of manufacturers concerning acceptance tests, malfunctions, and deviations from specifications.

This unit certified drivers and tillerman, visited firehouses specifically to conduct drills and to explain the operation and equipment, and the maintenance of same.

HOSE SHOP. The hose shop kept all fire companies properly supplied with hose. All hose in service was tested, and over-age and defective hose was removed from service. Damaged hose was repaired when possible, as were damaged nozzles, valves, adapters, hose fittings, brackets, and other miscellaneous equipment.

Special Service & Supply (3)

GENERAL. Various size metal ladders were received, stored, and placed in service when necessary. All ladders on all apparatus are now maintained and repaired by Special Service personnel, and this program has enabled this item to be cut substantially in the Fire Department budget.

The program for inventory and test control of gas pressure cylinders in use throughout the department, continued through the year. These cylinders include air tanks, oxygen tanks, CO₂ tanks, dry powder and dry chemical tanks, water extinguishers, and kero test cylinders. All such cylinders are tested every five years, on a continuing basis, from the date of manufacture.

Special Service is also charged with receiving and forwarding complaints to the appropriate city agency or jobber, of Fire Department building repairs.

Community assistance activities included the following during the past year:

Pumping out cellars and basements, and community owned swimming pools. Provided and operated portable electric generators, lamps, cables, at emergency situations, and routinely on request.

Responded with Hi-Ex Foam Generator, and Smoke Ejector, on request.

Provided extinguishers for protection at various functions, and for demonstration purposes.

Picked up and delivered salvage covers used by fire companies, washed, dried, stored, maintained same.

Each sub-division of Special Service maintained records and file system; submitted reports consistent with duties and activities; engaged in necessary clerical work consistent with objectives; correspondence and telephone communications essential with operations and duties, and performed housekeeping duties necessary to maintain quarters in a clean and presentable condition.

oOo

Special Service & Supply Company

Performance Report 1978

Number of Alarms answered	85
Number of pickups and deliveries made	11,735
Gasoline distributed at fires	120 gals.
Motor oil distributed at fires	10 quarts
Diesel oil distributed at fires	113 gals.
Electric generator used	3
Floodlight cable used	175 ft.
Number of lights used	4
Window shades made and repaired	76
Cellars pumped out	92
Hours spent pumping out cellars	406 hours
Portolites repaired	218
Portolite batteries distributed to companies	768
Liquid foam distributed to companies	80 gals.
Oxygen cylinders refilled	235
Scott & M.S.A. Air Cylinders refilled	11,713
15 lb. C.O.2 extinguishers refilled	334
Masks repaired	2,070
Canvas Covers for bags, boxes, deck, etc., made and repaired	193
Tanks repaired	862
Dri-powder extinguishers refilled	155
Smoke ejector on special calls	-
Hi-Ex expansion foam unit on special calls	-
Ladders repaired(number of)	221
Ladders repaired (feet)	6,291 ft.
Movement of apparatus	644
Salvage Covers picked up, washed and delivered	347

oOo

. APPARATUS DIVISION

Annual Report for 1978 submitted by
Acting Supv. of Apparatus
George Iuzzolino

The following is the Annual Report on Vehicles received, decommissioned,, assigned, maintained, etc.
The total number of vehicles assigned to the Newark Fire Department is:

93 Vehicles - Pumpers, Aerial Trucks,
Vans, Station Wagons,
Pick-up Trucks

1 Fireboat

94 Total

The following are vehicles that were placed in service during the year 1978:

Reg. 61 - 1978 Chevy Station Wagon - Assigned to 1st Deputy Chief
Reg. 64 - " " " " " " 4th Batt. Chief
Reg. 65 - " " " " " " 5th Batt. Chief
Reg. 74 - 1978 Chevy Crew Cab Pick-up - Assigned to Special Service
Reg. 75 - 1978 Chevy Van - " " " " "

The following vehicles were decommissioned:

Reg. 58 - 1970 Checker Station Wagon
Reg. 71 - 1971 Chevy pick-up truck
Reg. 72 - 1971 Chevy pick-up truck

Reg. 101 - 1972 Plymouth Station Wagon
Reg. 108 - 1970 Checker Station Wagon
Reg. 119 - 1972 Chevy Sedan

During the year 1978 a total of 672 department vehicles received downtime (out of service for a short period of time to receive a checkup or repair).

Preventive maintenance was performed on a total of 324 vehicles.

Plans have been proposed for the year of 1979 for a new building to be erected at Empire Street. This would result in a more efficient operation in the handling of downtime repairs. In addition, spare vehicles would be housed in this building. This would reduce the time it takes to place spare apparatus in service when needed.

oOo

APPARATUS DIVISION

Annual Report for 1973 submitted by
Supervisor of Apparatus
Daniel J. Tauriello

The listed activities were conducted by this office during the year 1973.

1. Tested all pumpers in compliance with N.F.P.A. standards.
2. Tested and inspected all aerial and portable ladders.
3. Certified pump operators, aerial ladder operators and drivers.
4. Lectured and gave demonstrations on fire ground hydraulics.
5. Made frequent inspections of apparatus and equipment.
6. Supervised and assisted fire companies in the take over of new or spare apparatus.
7. Performed liaison work between the repair shop and the Fire Department.
8. Supervised the record keeping of all repairs made on fire apparatus.
9. Assisted in various classes, lectures and demonstrations conducted at the Training Academy.
10. Assisted in the moving of apparatus for repairs, change-overs, and drills.

oOo

SPECIAL SERVICE AND SUPPLY COMPANY

Hose Division

Annual Report for 1978
submitted by
Captain Paul Duleba

The following is an inventory of the amount of fire hose in service, new hose in reserve, and used hose on hand, and the amount of brass work done as of the year ending December 31, 1978:

	<u>Hose Inventory</u>	<u>Total Available</u>
3" In Service with Companies	335 - 50 ft. lengths	16,750 ft.
3" In Service with Companies	Various Lengths	2,400 ft.
3" In Reserve (New Poly Hose)	47 - 50 ft. lengths	<u>2,300 ft.</u>
	382 lengths	21,450 ft.
2½" In Service with Companies	468 - 50 ft. lengths	23,400 ft.
2½" In Reserve (New Poly Hose)	15 - 50 ft. lengths	750 ft.
2½" In Reserve (100% Poly Hose)	40 - 50 ft. lengths	2,000 ft.
2½" In Reserve (Used C/P Hose)	95 - 50 ft. lengths	<u>4,750 ft.</u>
	618 lengths	30,900 ft.
1-3/4" In Service with Companies	82 - 50 ft. lengths	4,100 ft.
1-3/4" In Reserve (New)	25 - 50 ft. lengths	<u>1,250 ft.</u>
	107 lengths	5,350 ft.
1½" In Service with Companies	445 - 50 ft. lengths	22,250 ft.
1½" In Reserve (New Poly Hose)	30 - 50 ft. lengths	1,500 ft.
1½" In Reserve (Used C/P Hose)	15 - 50 ft. lengths	<u>750 ft.</u>
	490 lengths	24,500 ft.
4½" In Service with Companies	32 - 15 ft. lengths	480 ft.
4½" In Reserve (New Hose)	1 - 15 ft. length	15 ft.
4½" In Reserve (Used Hose)	6 - 15 ft. lengths	<u>90 ft.</u>
	39 lengths	585 ft.
1" In Service	52 - 50 ft. lengths	2,600 ft.
3/4" In Service	130 - 50 ft. lengths	6,500 ft.
3/4" In Reserve		
3/4" In Reserve (Used Hose)	13 - 50 ft. lengths	<u>650 ft.</u>
	195 lengths	9,750 ft.

Special Service and Supply Company

Hose Division (2)

Hose Repaired

4½" Soft Suction	26 - 15 ft. lengths	390 ft.
3"	59 - 50 ft. lengths	2,950 ft.
2½"	83 - 50 ft. lengths	4,150 ft.
1-3/4"	29 - 50 ft. lengths	1,450 ft.
1½"	122 - 50 ft. lengths	6,100 ft.
Booster Hose	23 - 50 ft. lengths	1,150 ft.
		<u>16,190 ft.</u>

Hose Tested

3"	332 - 50 ft. lengths	16,600 ft.
3"	Various lengths	2,400 ft.
2½"	461 - 50 ft. lengths	23,050 ft.
1-3/4"	81 - 50 ft. lengths	4,050 ft.
1½"	439 - 50 ft. lengths	21,950 ft.
Booster Hose	135 - 50 ft. lengths	6,750 ft.
		<u>74,800 ft.</u>

Number of valves, adapters, nozzles, equipment and miscellaneous articles repaired or installed during the year totaled 354.

oOo

TRAINING DIVISION

Annual Report for 1978
submitted by
Deputy Chief Edward M. Wall

The Division of Training is responsible for all phases of Fire Department Training. This responsibility includes training of Recruit Firefighters, Inservice Fire Service Personnel and Industrial Fire Brigades. The realization of these responsibilities is accomplished through course material presented at the Training Center, at remote locations, and training accomplished at the battalion and company level. The training goals and objectives established by this command are compatible with the behavioral objectives established by the National Fire Protection Association Standard 1001 and programs of instruction postulated by the International Fire Service Training Association.

The following major training programs were completed under the direct supervision of Training Division personnel:

Pump Simulator Training	2/13 - 5/15
Seventh Probationary Class	6/19 - 6/23
Eighth Probationary Class	7/11 - 7/20
Ninth Probationary Class	8/21 - 8/25
Tenth Probationary Class	10/2 - 10/27
First Special Probationary Class	10/9 - 10/27
Second Special Probationary Class	10/30 - 11/17
Defensive Driver Course	10/16 - 10/19
Defensive Driver Course	11/6 - 11/9

The following specialized training was offered to specific groups:

- Police TAC Unit - Rappelling
- Explorer Scouts - Rappelling
- Elizabeth Fire Department - Air Mask Use and Rappelling
- Montclair Fire Department - Air Mask Use and Ground Ladders
- Newark Fire Arson Unit - Use of Probe
- Union County Fire School - Self Contained Breathing Apparatus
- Essex County Police Academy - Concepts of Fire
- Sun Oil Company, Newark - Special Foam Operations
- Millburn Fire Department Staff Officers - Pump Simulator
- St. Benedict Prep Personnel - Flammable Liquid Fires

A very important part of this Division's responsibilities is the training of Industrial Fire Brigades and security forces of other governmental agencies. Training in first aid firefighting and related subjects was offered to the following agencies:

- Essex County Jail Security Force
- Delta Airlines
- Penick Corporation
- Social Security Administration - Newark Office

TRAINING DIVISION (2)

New Jersey Bell Telephone Co. - William Street Unit
Saint Michael's Hospital
YMCA - YWCA - Newark
Columbus Hospital
Western Electric Corporation - Newark Office
Sun Oil Corporation - Newark Plant
Mutual Benefit Life Insurance Company
J. Armitage & Company

The Training Center Staff supervised the on-going evaluation of various items of firefighting turnout gear, in particular turnout coats, helmets, gloves and reflective markings. Several new tools were evaluated, one of which proved to be successful and was purchased: the water powered drill. This unit will be carried by the Rescue Company.

Our research into a better self-contained breathing apparatus realized fruition with the decision by Director Caufield to purchase 144 of the most advanced mask available to the Fire Service today. With the acquisition of the Survivair Mark I self-contained breathing apparatus the Newark Firefighter will be equipped with the most technically advanced type of low profile pressure demand, lightweight mask on the market. The benefit of this mask will be to improve the firefighter's initial attack capabilities and to reduce the weight by ten pounds that the individual firefighter must carry while working at a fire.

The Commanding Officer of the Division continued to serve as Chairman of the Fire Accident Prevention Board and as a member of the City Wide Accident Review Board under Mr. Elton Hill. In line with these responsibilities Safety Tip bulletins were issued periodically to all units within the department regarding safe driving practices. A summary of the activities of the Accident Prevention Board has been reported under separate cover.

The Training Center continued to provide transportation of relief crews at fire operations. Transport is available between 0700 hours through 1900 hours daily.

The Commanding Officer of the Division served on various committees during the year. We worked closely with the Federal Department of Labor and Essex County Vocational Education Department in setting up Firefighters Apprenticeship Programs. The Commanding Officer of the Training Division was elected to the Board of Directors of the Fire Science and Technology Educators Section of the National Fire Protection Association for a three year term.

The duties of the Safety Officer and Water Officer were merged in 1978. Battalion Chief Fred Boehringer has assumed these duties and will report under separate cover. The Supervisor of Apparatus service tested all pumpers and inspected all aerial apparatus. His report is forwarded as a separate entity.

The Commanding Officer of the Training Center and the Staff wish to extend our thanks and gratitude to Director John P. Caufield and Fire Chief James P. O'Beirne for their wholehearted and active support of our activities during 1978. Without this enthusiastic support it would have been impossible to achieve its goals.

TRAINING DIVISION PERFORMANCE REPORT

<u>ACADEMY TRAINING</u>	<u>SESSIONS</u>	<u>HRS. OF INSTRU.</u>	<u>ATTENDANCE</u>	<u>MAN HOURS</u>
No. Recruits Trained	75	544	214	13,084
No. Recruits - Police and Fire Brigades	20	55	335	1,236
Company Refresher	143	352	668	1,887
Officer Refresher	4	8	34	90
Total	242	959	1,251	16,297

SPECIAL TRAINING

Preventive Maintenance	5	6	20	31
Driver Training	12	17	51	89
Apparatus Service Test	57	61	162	299
Pump Operations	132	143	547	773
Aerial Ladder	52	62	228	341
Drafting Water	-	-	-	-
Care of Apparatus	-	-	-	-
Misc. Training	-	-	-	-
Total	258	289	1,008	1,533

FIELD TRAINING

Drills in Quarters	8,140
Drills out of Quarters	5,328
Total Drills	13,468
Hours of Instruction	16,160
Man/Hours	64,640

<u>DEMONSTRATIONS</u>	<u>NO. HELD</u>	<u>ATTENDANCE</u>
Table Top	-	-
Fire Prevention	8	346
Extinguisher	38	1,954
(Other) First Aid	5	163
Total	51	2,463

FILMS SHOWN

NO. ATTENDING

No. shown at Academy	193	2,540
No. Loaned out	123	3,418
Total	316	5,958

WATER OFFICER ACTIVITIES

No. of Hydrant Repairs Processed	236
No. of Conferences attended	209

ACCIDENT PREVENTION COMMITTEE

Annual Report for 1978
submitted by
Edward M. Wall, Deputy Chief

In 1978 the Fire Department experienced 47 accidents and two incidents. This is an increase over the 33 accidents we had in 1977; however, 12 of the 47 accidents were very minor in nature and were caused by the poor driving conditions during the heavy snows in January and February.

The Fire Department Accident Prevention Board held four meetings during the year and I attended monthly meetings of the City Wide Accident Review Board. We reviewed 35 accidents and one incident, three accidents and one incident were carried over to 1979. Of the 35 accidents reviewed five were found to be preventable and seven were preventable with an explanation. All drivers involved in preventable, or preventable with explanation, received retraining under the direction of the Supervisor of Apparatus.

The most common accidents were "Type I", Our Vehicle Hit While Parked (6), "Type B", Our Vehicle Hit in Rear by Other Vehicle (5), "Type K", Our Vehicle Hit Other Vehicle Because of Sideswipe or Squeezeby (5). None of our drivers experienced more than one preventable, or preventable with explanation type accident during 1978.

One case was referred to the City Wide Board: action was deferred at the request of the Law Department.

oOo

N E W A R K

Kenneth A. Gibson
Mayor

Fire Department

920 Broad Street
Newark, New Jersey 07102
201 733-7424

John P. Caufield
Director

TRAINING DIVISION

SAFETY OFFICER

Deputy Chief James E. Morgan

The following is a list of activities that the Safety Officer performed for the year 1978:

The Safety Officer served as Chairman of the Safety Committee, also as a member of the Accident Prevention Board, and is the Executive Officer of the Training Center.

Forty Safety Committee meetings and four meetings of the Accident Prevention Board were held throughout the year.

The Safety Officer attended a number of safety meetings at various cities throughout the country.

The following duties were performed by the Safety Officer:

- A. Ordered and distributed First Aid supplies.
- B. Assisted in training fire companies at the Training Academy.
- C. Attended weekly meetings with Chief Wall to evaluate the training program and injuries to personnel.
- D. Attended a number of meetings with Director Caufield, Fire Chief James P. O'Beirne and Deputy Chief Edward Wall.
- E. Assisted in training a number of industrial fire brigades.
- F. Worked with various manufacturers in testing and evaluating numerous tools, equipment and turn-out gear.
- G. Held first aid classes for various civic organizations throughout the city.
- H. Attended a number of meetings with the head of the New York City Fire Safety Division.

oOo

TRAINING DIVISION

Annual Report for 1978 submitted by
Battalion Chief Fred Boehringer
Water Officer

I was appointed Water Officer in October of 1978. During my time as Water Officer, I either performed or assisted in the following activities.

1. Processed hydrant repair cards.
2. Responded to multiple alarms of fire between the hours of 0800 - 1600 hours.
3. Attended meetings with Thomas Ewing, Superintendent of the Water Department, relative to hydrants.
4. Investigated and did follow-up work relative to hydrant complaints.
5. Gave demonstrations on Cardiac-Pulmonary Resuscitation to Senior Citizens groups.
6. Acted as liaison between the Fire Department and Water Department and submitted verbal and written reports.

oOo

COMMUNITY RELATIONS DIVISION

Annual Report submitted by
Deputy Chief Robert F. Marron
for the year 1978

During the year of 1978, the Community Relations Division (Headquarters 20) continued to be involved in various projects which strengthened the rapport between the public and the Fire Department.

The Christmas toy drive slipped to a little less than 6,000 units which were picked up, sorted, repaired, stored, and distributed to various groups who took care of needy persons. Every attempt was made to get the Christmas toys and gifts to those who were the neediest.

The demand for showing films on the streets during the summer months, in schools during the school year, to business groups, P.T.A.'s, Block Associations, and other civic groups, continued at a lively pace. Requests for speakers were honored on all occasions.

The Fire Department Community Relations members participated in Career Days sponsored by schools in the City of Newark including Essex County College. Community Relations also continued to work with the Mayor's Affirmative Action Committee.

Numerous meetings during the course of the year were held by the Citizens Advisory Committee who sought out ways to support the Fire Department in the performance of their duties and in rendering services to the citizens of Newark. The committee operates autonomously and members of the Fire Department attend as resource aides.

Explorer Post No. 20, Scouts of America of the Newark Fire Department, was reorganized in the Fall of 1978 with active members numbering above fifteen. Other posts are to be formed within the department. Most members of the Explorers Post are from the senior high schools of the city.

In 1978, the Community Relations Division continued to work closely with the Red Cross in assisting fire victims. The Newark Disaster Coordinating Committee continued to assist disaster victims through its members who are best suited to provide the essential needs or services. The Community Relations Division maintained contact on a daily basis with the Salvation Army, Red Cross, Essex County Welfare, and Civil Defense to assist fire victims in obtaining the necessities of life.

Prior to the hot days of May and June of 1978, many meetings were held in the Business Administration Offices about the city's hydrant problem. All the facets of the hydrant problem were discussed in detail and the conclusion made was to have people assigned to shut off illegally flowing hydrants. Sprinkler caps would be issued to people who requested them and arrests would be made to those people who used hydrants illegally or/and vandalized hydrants.

COMMUNITY RELATIONS DIVISION (2)

In 1978, the preparation program for the recruitment of fire fighters continued in the form of classes being conducted at the following locations:

<u>Day</u>	<u>Time</u>	<u>Location</u>
Monday	7:30 - 9:30 P.M.	Sharpe James' Little City Hall
Tuesday	7:30 - 9:30 P.M.	Unified Vailsburg
Wednesday	7:30 - 9:30 P.M.	Training Center
Thursday	7:30 - 9:30 P.M.	F.O.C.U.S.
Friday	7:30 - 9:30 P.M.	Jesse Allen Center
Saturday	10:00 -12:00 P.M.	Vince Lombardi Center

Besides the above preparation classes for the written examination, a mock up was made of the physical performance part of the examination. Many sessions were scheduled at the Training Academy for candidates to familiarize themselves with the various performance standards they would be tested on.

The past year, the Community Relations Division continued to assist the Cerebral Palsy Telethon, and the Arthritic Telethon by supplying assistance in their logistic problems and assisted in setting up and controlling the telephone volunteers.

The North Ward Educational and Cultural Center (NWECC) again worked closely with the Fire Department on many occasions. Especially outstanding is the picnic for retarded children held on the Center's grounds.

Another organization that we have continued to work closely with has been the International Youth Organization (I.Y.O.).

Community Relations has been active in all aspects of Civil Defense and many other city departments and agencies.

1978 Statistics - Community Relations Division

Number of meetings attended -----	181
Number of persons attended meetings -----	1,780
Number of fires responded to -----	1,029
Number of fire victims assisted -----	2,753
Number of movies shown in schools -----	69
Number of movies shown in streets -----	43
Movies shown at various indoor locations -----	34
Number of persons viewing films -----	4,700
Christmas toys distributed -----	5,900
Special assignments -----	452

COMMUNITY RELATIONS DIVISION (3)

Civil Defense Auxiliary Fire Service

During 1973, Mr. Edward Sager was sworn in as Chief of the Fire Auxiliaries. Thirty-eight (38) new members came into the Auxiliary bringing the membership to 235.

Director Caufield commended LeRoy Smith, a Deputy Chief in the Fire Auxiliary.

Members of the Fire Auxiliary and the staff have attended meetings, drills, and attended Civil Service seminars.

Members of the Fire Auxiliary have been documenting more of their hours of duty to the city and have reported these to the Civil Defense Office.

A city evaluation team from the Business Administration Office reviewed the records, programs, and training of the Auxiliary Fire Service.

oOo

DATA PROCESSING UNIT

Annual Report for 1978
submitted by
Gerrit L. DeVries
Data Processing Coordinator

The Data Processing Unit of the Planning and Research Division has completed various computer applications, which include making the following Printouts for Department use:

1. List of inspections and updated conditions of all hydrants in the city.
2. Overtime scheduling and reports on a weekly basis.
3. Personnel history and listings, as needed.
4. Weekly sick leave reporting system.
5. Monthly vacant building report.

The initial state of establishing a list of dangerous chemicals and the buildings in which they are stored is under way.

Members of the Data Processing Unit have performed all the activities and duties as required by the Director and the Fire Chief of the Department.

oOo

PHOTOGRAPHY DIVISION

Annual Report submitted by
Fireman Joseph Marino

The Annual Report for the year 1978 listing activities of the Photography Division, is herewith respectfully submitted:

Signal 100 - Arson or Suspected	17
Signal 200 - Death at fire	21
Public Relations (includes appointments, promotions, demonstrations, etc.)	62
Special Assignments	31
Negatives made	1,833
Prints made	2,838
Color prints made	813
Assignments	133

oOo

MEDICAL DIVISION

Annual Report submitted by
Edwin L. Ciccone, M. D.
Fire Department Surgeon
for the year 1978

As Fire Surgeon, I performed my duties in accordance with the Rules and Regulations of the Fire Department and at all times have fulfilled my duties.

My associate, Dr. Carl E. Maffeo, and I are on call twenty-four hours a day throughout the year. We are never off duty or on leave at the same time. I have given prompt attention to all reported illnesses and injuries of our fellow workers, including non-firefighters, Auxiliary Reserves, and other personnel within our jurisdiction.

I granted sick leaves to members as warranted. Regular additional visits and examinations were made to the sick and injured, hospitalized or otherwise, until they were, in my opinion, physically able to return to their respective duties. Light duty assignments were given when feasible, with the approval of Director John P. Caufield.

I received and returned all telephone calls on a twenty-four basis, seven days a week, including all holidays. There were 1,629 sick leaves and 705 injury leaves. On Tuesdays at 0300 hours, men who were ordered to report, were examined for evaluation, light duty, special duty, etc.

Visits were made to the fire houses for inspection purposes, on an emergency basis or otherwise, when requested by any member of the Fire Department, and all referral cases of city employees, were examined when necessary. All new appointees, fire fighters and non-fire fighters, and reports for same were submitted. There were 71 new men and 34 men retired in 1978.

Weekly reports were prepared and forwarded to Assistant Corporation Counsel Donald I. Dvorin, Esquire, with reference to all men injured in line of duty, as to diagnosis, prognosis, and treatment. Conferences were held at any requested time, regarding the injured personnel.

I am grateful to the officers and fire fighters, our Rescue Squad, the Fire Alarm Operators, the Bell and Siren Squad, and the Ironbound Ambulance Squad for their kind assistance.

I wish to thank Director John P. Caufield, Fire Chief James P. O'Beirne, Deputy Chief Stanley Kossup, Administrative Officer William T. Whalen, and their entire staff, and our good Chaplains, Rev. Horton J. Raught, and Rev. Clarence Bleakney, for their courtesy, cooperation, and spiritual aid.

oOo

ANNUAL REPORT
FOR THE YEAR 1978
submitted by
Rev. Horton Raught
Catholic Chaplain

The following is a report of my activities as Chaplain of the Newark Fire Department for the year 1978:

Responded to 114 fires of which 103 were multiple alarms.' When necessary, I responded to the hospital from the fire scene.

I visited the various hospitals in the area to see members who were sick or injured on fire duty; I also visited members of their families.

I attended all swearing-in ceremonies of Fire Department personnel, as well as all promotion ceremonies.

Attended wakes for members of the Fire Department or members of their families. Participated in the funeral services of members of the Department, both active or retired.

Was available for and participated in conferences with Department members and members of their families.

In conjunction with Rev. Clarence Bleakney, I conducted the Annual Memorial Service for deceased firefighters of the Newark Fire Department, held at St. Rose of Lima Church.

Attended fire prevention demonstrations and other affairs pertaining to Fire Department activities, such as events held at the Fire Department Historical Association, the Bell & Siren Club, and the 200 Club.

I wish to express my deep and sincere gratitude to Director John P. Caufield, Fire Chief James P. O'Beirne, and to all the officers and firefighters for the friendship, courtesy and cooperation they have shown me.

oOo

ANNUAL REPORT

of the Protestant Chaplain
Rev. Clarence Bleakney
for the year 1978

I conducted the Annual Memorial Service in St. Rose of Lima Church with a large attendance.

Together with Rev. Horton Raught, the Catholic Chaplain, I attended funerals for departed firefighters.

As is my practice, I called on firefighters who were hospitalized.

I attended all swearing-in ceremonies of new firefighters, and promotional ceremonies of officers.

I wish to express my thanks to Fire Director John P. Caufield, and to all of his staff, for their many kindnesses extended to me throughout the year.

oOo

ANNUAL REPORT

submitted by the Jewish Chaplain
Rabbi Horace L. Zemel
for the year 1978

I wish to report to you that through 1978, as Chaplain of the Fire Department, to the best of my ability, I have answered fire calls when summoned, participated in public functions, attended the sick and dying, and in general lent myself in full capacity as clergyman over all those to whom I minister in whatever contingency my services were called.

The making of this report gives me, once again, the opportunity of letting you know that I am not unmindful of the many courtesies extended to me in the performing of the duties of my office for which I am extremely grateful.

May I wish you, and through you, all those in the Department, a Year marked by Peace in the world, order in our government, health in the home, and success in every worthwhile effort.

oOo

PUBLIC RELATIONS DIVISION

Annual Report submitted by
Lonnie Tucker
for the year 1978

The following is herewith respectfully submitted as the Annual Report of the Fire Department's Public Relations Division for the year 1978.

Our division has continued to keep the public informed of various events in fire prevention through the use of radio, television, newspapers, and weekly reports within the communities.

For the coming year, a new plan will go into effect to have speakers visit each ward of the City, speaking to the various groups. . The great emphasis on smoke detectors and the program on fire prevention through education has already motivated citizens to call upon the Fire Department for more information and demonstrations of preventive techniques.

The message of fire prevention and the Fire Director's smoke detector plan has been brought to the attention of other agencies who now will join the fire department in its efforts to bring fire prevention knowledge to the people.

In the year 1978, the Public Relations Division worked with other city, state and federal agencies which provided assistance for fire victims.

As the liaison man in the Fire Department I responded to 207 fires.

The Public Relations Division is in charge of issuing informative releases to the news media upon request.

I wish to extend my most sincere thanks to the officers and members of the Fire Department for their cooperation.

oOo

THE BELL AND SIREN CLUB, INC.

Annual Report
For the Year 1978

Services Rendered

Fire Responses	133
Cups of Coffee	9,653
Cups of Tea	284
Cups of Hot Chocolate	538
Cups of Bouillon	442
Cups of Water	211
*Cups of Orange Drink	7,668
Bottles of Soda	100
Cookies and Doughnuts	7,056
Sandwiches	140
Cigarettes	250
Cups of Beef Stew	350
First Aid Administered	12

* In 1978 The Bell and Siren Club changed from using 5 oz. cups for juice to 8 oz. cups. The Club used more juice in 1978 than in previous years.

oOo